

TRANSMITTAL LETTER



To:
Beth Vens
Michigan Department of
Environment, Great Lakes &
Energy
27700 Donald Court
Warren, MI 48092

From:
Kris Hinskey

Arcadis U.S., Inc.
28550 Cabot Drive
Suite 500
Novi
Michigan 48377
Tel 248 994 2240
Fax 248 994 2241

Copies:

Date:
November 8, 2019

Subject:
Livonia Transmission Plant
Q3 2019 Progress Report

Arcadis Project No.:
MI001454.0007

We are sending you hard copies:

☒ **Attached** ☐ **Under Separate Cover Via _____ the Following Items:**

☐ Shop Drawings	☐ Plans	☐ Specifications	☐ Change Order
☐ Prints	☐ Samples	☐ Copy of Letter	☒ Reports
☐ Other:			

Copies	Date	Drawing No.	Rev.	Description	Action*
1	11/8/2019			Q3 2019 Progress Report	

Action*

☐ A Approved	☐ CR Correct and Resubmit	☐ Resubmit _____ Copies
☐ AN Approved As Noted	☐ F File	☐ Return _____ Copies
☐ AS As Requested	☐ FA For Approval	☐ Review and Comment
☒ Other: <u>As Requested per the Consent Decree</u>		

Mailing Method

☐ U.S. Postal Service 1 st Class	☐ Courier/Hand Delivery	☒ FedEx Priority Overnight	☐ FedEx 2-Day Delivery
☐ Certified/Registered Mail	☐ United Parcel Service (UPS)	☐ FedEx Standard Overnight	☐ FedEx Economy
☐ Other: _____			

FORD MOTOR COMPANY

QUARTERLY PROGRESS REPORT - 3Q 2019

Livonia Transmission Plant

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

November 8, 2019



Gustan Taylor
Associate Project Manager



Kris Hinskey
Certified Project Manager

QUARTERLY PROGRESS REPORT - 3Q 2019

Livonia Transmission Plant

Prepared for:

Ford Motor Company
Environmental Quality Office
Fairlane Plaza North
290 Town Center Drive, Suite 800
Dearborn, Michigan 48126

Prepared by:

Arcadis of Michigan, LLC
28550 Cabot Drive
Suite 500
Novi
Michigan 48377
Tel 248 994 2240
Fax 248 994 2241

Our Ref.:

30016352 (MI001454.0007)

Date:

November 8, 2019

This document is intended only for the use of the individual or entity for which it was prepared and may contain information that is privileged, confidential and exempt from disclosure under applicable law. Any dissemination, distribution or copying of this document is strictly prohibited.

3Q 2019: Activities

On-Site

1. Groundwater Sampling
2. Hydraulic Control System
 - ✓ Operating as Designed Since March 15, 2017
 - ✓ Discharge Compliance
3. Sub-Slab Depressurization System
 - ✓ Operating as Designed Since August 13, 2018
 - ✓ Discharge Compliance
4. Response Activities
 - Vapor Intrusion Assessment
 - Groundwater Delineation
 - Utility Corridor Evaluation

Total On-Site Routine Samples

Period	Groundwater / Water	Soil/ Sediment	Soil Gas
3Q 2019	75	0	0
Total since Oct. 2015	1,026	328	152

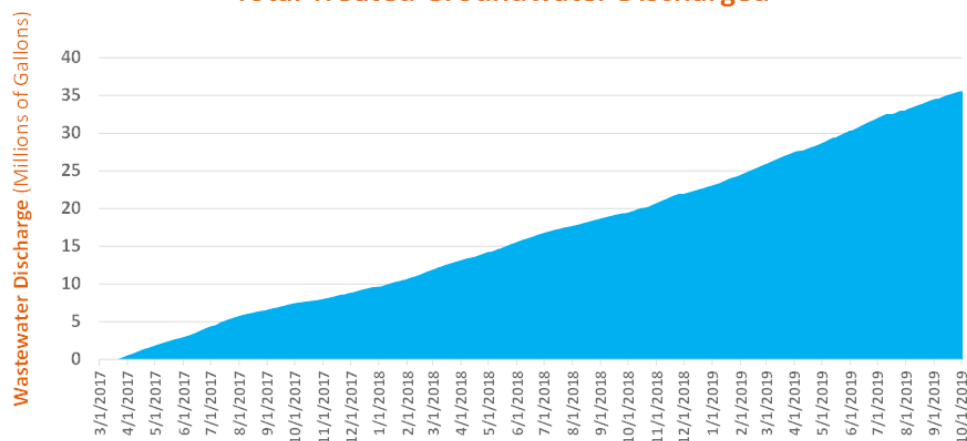
Off-Site

1. Groundwater Sampling
2. Response Activities
 - Vapor Intrusion Assessment
 - Vapor Intrusion Mitigation
 - Groundwater Delineation

Total Off-Site Routine Samples

Period	Groundwater	Soil Gas
3Q 2019	137	0
Total since Oct. 2015	785	255

Hydraulic Control System – Through September 2019 Total Treated Groundwater Discharged



Total Treated Groundwater: **35,573,892 Gallons**

■ Cumulative Discharge Volume, gallons

Key Dates

2018-2019 Document Submittal

Document	Date Submitted	Status
4Q 2017 Progress Report	1/30/18	Received
RespAP Response to Comments Letter	4/13/18	Received
VI RespAP 6.6(b)(i) Revised	4/13/18	Approved with Modifications
RI RespAP 6.7 Revised	4/13/18	Approved with Modifications
1Q 2018 Progress Report	4/30/18	Received
Response to EGLE Request for CSM	7/20/18	Received
2Q 2018 Progress Report	7/31/18	Received
Public Outreach Plan	8/7/2018	Received
3Q 2018 Progress Report	10/31/18	Received
4Q 2018 Progress Report	2/1/2019	Received
Response to EGLE	2/8/2019	Responded
Response to EGLE	3/11/19	Responded
Response to EGLE	3/14/19	Responded
Extension Request to EGLE	3/14/19	Responded

Document	Date Submitted	Status
Laboratory Memo	4/16/19	Received
Extension Request to EGLE	4/17/19	Responded
1Q 2019 Progress Report	5/2/19	Received
Response to EGLE	5/15/19	Responded
Response to EGLE	5/17/19	Responded
Response to EGLE	5/24/19	Responded
Response to EGLE	5/30/19	Responded
EGLE Update Letter	6/7/19	Received
Updated Public Outreach Plan	6/28/19	Received
EGLE Update Letter	7/12/19	Received
Response to EGLE	7/25/19	Responded
EGLE Update Letter	7/31/19	Received
Q2 2019 Progress Report	7/31/19	Received
Residential Concern Memo	7/31/19	Received
Utility Corridor Response Activity Plan	8/8/19	Responded
EGLE Update Letter	8/30/19	Received
Residential Concern Memo	8/30/19	Received
EGLE Update Letter	9/30/19	Received
Residential Concern Memo	9/30/19	Received

Upcoming Dates

2019

November Off-Site 4Q 2019
Groundwater Sampling

November On-Site 4Q 2019
Groundwater Sampling

CONTENTS

Acronyms and Abbreviations	iv
1 Introduction	1
1.1 Purpose of This Report	1
1.2 Additional Response Activities	1
1.3 Background	2
2 Summary of Routine Activities	3
2.1 On-Site Groundwater Sampling	3
2.2 Off-Site Groundwater Sampling	4
2.3 Off-Site Soil Gas Sampling	4
2.4 Hydraulic Control System	4
2.4.1 System Overview	4
2.5 Interim Sub-Slab Depressurization System	5
2.5.1 System Overview	5
3 Summary of Response Activity Results	5
3.1 On-Site Groundwater Sampling	5
3.2 Off-Site Groundwater Sampling	5
3.3 Off-Site Vapor Intrusion	6
3.3.1 Ongoing Off-Site Vapor Intrusion Response Activities	6
3.4 Hydraulic Control System Operation and Performance Monitoring	6
3.4.1 Hydraulic Control System Operation	6
3.4.2 Maintenance Activities	8
3.4.3 Hydraulic Control System Performance Monitoring	9
3.4.3.1 Groundwater Elevation	9
3.4.3.2 Hydraulic Response	10
3.4.3.3 Groundwater Analytical Trends	10
3.5 Summary of Hydraulic Control System Compliance Actions	11
3.6 Interim Sub-Slab Depressurization System Operation and Compliance Actions	12
4 Access Agreements	14
5 Other Relevant Information	14
5.1 Due Care Obligations	14

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

QUARTERLY PROGRESS REPORT – 3Q 2019

5.2	Public Outreach	15
5.3	List of Reporting Documents.....	15
6	Waste Management.....	15
7	Proposed Schedule.....	16
8	References	16

TABLES

Table 1 – On-Site Groundwater Elevations

Table 2 – On-Site Groundwater Analytical Results

Table 3 – Off-Site Groundwater Elevations

Table 4 – Off-Site Groundwater Analytical Results

Table 5 – Hydraulic Control System Monthly Discharge Volumes

FIGURES

Figure 1 – Site Location Map

Figure 2 – Site Layout

Figure 3 – Site-Wide Groundwater Elevation Contour Map Under Pumping Conditions June 2019

Figure 4 – On-Site Monitoring Wells Cis-1,2-Dichloroethene in Groundwater

Figure 5 – On-Site Monitoring Wells Trans-1,2-Dichloroethene in Groundwater

Figure 6 – On-Site Monitoring Wells Trichloroethene in Groundwater

Figure 7 – On-Site Monitoring Wells Vinyl Chloride in Groundwater

Figure 8 – On-Site Monitoring Wells 1,4-Dioxane in Groundwater

Figure 9 – Off-Site Monitoring Wells 1,4-Dioxane in Groundwater

Figure 10 – Off-Site Monitoring Wells Trichloroethene in Groundwater

Figure 11 – Off-Site Monitoring Wells Vinyl Chloride in Groundwater

Figure 12 – Hydraulic Gradient Map June 2019

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

APPENDICES

Appendix A - Off-Site Residential Monitoring Wells

Appendix B - On-Site Groundwater Field Sampling Logs

Appendix C - Off-Site Groundwater Field Sampling Logs

Appendix D - Transducer Data

Appendix E - Stability Analysis

ACRONYMS AND ABBREVIATIONS

1,1-DCE	1,1-dichloroethene
4Q 2019	fourth quarter of 2019
3Q 2019	third quarter of 2019
2Q 2019	second quarter of 2019
1Q 2019	first quarter of 2019
2Q 2018	second quarter of 2018
3Q 2018	third quarter of 2018
4Q 2018	fourth quarter of 2018
AOC	Area of Concern
ATNPC	Automatic Transmission New Product Center
CD	Consent Decree
Cis-1,2-DCE	cis-1,2-dichloroethene
COC	constituent of concern
CSM	conceptual site model
DO	dissolved oxygen
EGLE	Michigan Department of Environment, Great Lakes, and Energy
GAC	granular activated carbon
GLWA	Great Lakes Water Authority
gpd	gallons per day
gpm	gallons per minute
GWIC	groundwater in contact
HCS	hydraulic control system
LNAPL	light non-aqueous phase liquid
LTP	Livonia Transmission Plant
µg/L	microgram per liter
MDEQ	Michigan Department of Environmental Quality
mg/L	milligram per liter
mL	milliliter
mL/min	milliliter per minute
ORP	oxidation-reduction potential
PCB	polychlorinated biphenyl
PCE	tetrachloroethene
PLC	programmable logic controller
QAPP	Quality Assurance Project Plan
RIASL	Recommended Interim Action Screening Level

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

QUARTERLY PROGRESS REPORT – 3Q 2019

RRD	Remediation and Redevelopment Division
SMR	Self-Monitoring Report
SSDS	sub-slab depressurization system
SVMP	soil vapor monitoring point
SVOC	semi-volatile organic compound
TCE	trichloroethene
TDL	Target Detection Limit
trans-1,2-DCE	trans-1,2-dichloroethene
TWM	Total Waste Manager
USEPA	United States Environmental Protection Agency
VAP	vertical aquifer profile
VC	vinyl chloride
VI	vapor intrusion
VOC	volatile organic compound
WWTP	Wastewater Pre-Treatment Plant

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

1 INTRODUCTION

1.1 Purpose of This Report

Arcadis of Michigan LLC (Arcadis), on behalf of Ford Motor Company (Ford) has prepared this Progress Report (report) for the Livonia Transmission Plant (LTP) property (the site). This document was produced in compliance with a Consent Decree (CD) filed by the Michigan Department of Environment, Great Lakes, and Energy (EGLE), formerly known as the Michigan Department of Environmental Quality (MDEQ), on July 27, 2017 (No: 2:1712372-GAD-RSW). The purpose of this progress report is to summarize the routine groundwater and vapor sampling both at the site and the area east of the site, as well as the performance monitoring and maintenance associated with the hydraulic control system (HCS) and sub-slab depressurization system (SSDS) completed voluntarily by Ford. This progress report includes activities completed from July 1 through September 30, 2019 (3Q 2019). Activities described in this 3Q 2019 report include:

- On- and off-site groundwater sampling
- HCS operation, evaluation, performance monitoring, and optimization
- SSDS operation, evaluation, performance monitoring, and optimization.

This quarterly report primarily focuses on the seven constituents of concern (COCs) for the site including: 1,1-dichloroethene (1,1-DCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene, (trans-1,2-DCE), tetrachloroethene (PCE), trichloroethene (TCE), vinyl chloride (VC), and 1,4-dioxane.

1.2 Additional Response Activities

Additional response activities completed in 3Q 2019 include on-site vapor intrusion (VI) investigation, off-site VI investigation, on- and off-site groundwater delineation, and utility corridor evaluation as outlined in the Response Activity Plan - Vapor Intrusion Assessment and Response Activity Plan - Remedial Investigation, both dated April 13, 2018. In addition to the activities completed under the approved RespAP, information regarding the interim preemptive mitigation system activities completed in the 3Q is included in this report. Details regarding the additional response activities completed in the 3Q are provided below.

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

QUARTERLY PROGRESS REPORT – 3Q 2019

Date	Activity	Activities Completed in 3Q2019	Additional Activities Required (yes or no)
July to September 2019	Additional Off-Site Vapor Intrusion Assessment	405 samples collected (includes duplicate samples), includes sub-slab, indoor air, and ambient.	Yes
July to September 2019	Additional On-Site and Off-Site Monitoring Well Installation	1 shallow monitoring well installed off site (Appendix A).	Yes
July to September 2019	Additional On-Site and Off-Site Investigation	9 soil borings installed on site for waste characterization for new storm line.	Yes
July to September 2019	Off-Site Mitigation System Installation	3 mitigation systems installed off site. RetroCoat applied in the basements of 4 locations where mitigation systems were previously installed. RetroCoat applied in 5 detached garages and 7 sheds.	Yes
September 2019	Storm Sewer Evaluation	One sediment sample collected each from the on-site eastern and western diversion chambers	Yes
September 2019	Additional On-Site Vapor Intrusion Assessment	26 sub-slab air samples collected within the ATNPC building	Yes

Notes:

ATNPC – Automatic Transmission New Product Center

The off-site VI assessment is ongoing, and large amounts of data were collected during 3Q 2019. The additional off-site VI data collected during 3Q 2019 are summarized below in Section 3.

1.3 Background

The LTP has been active in manufacturing in some capacity since the 1950s. The site is located at 36200 Plymouth Road, Livonia, Michigan (**Figure 1**) and occupies 178 acres of land. The LTP building occupies approximately 3 million square feet. The area surrounding the site includes light industrial, commercial, and residential properties. For the purposes of this report, data are presented based on their locations as either on site or off site (**Figure 2**). On-site area of concern (AOC) locations include all areas within the site boundary including the LTP, Test Track, Wastewater Pre-Treatment Plant (WWTP), Automatic Transmission Plant New Product Center (ATNPC), associated outbuildings, and the Plymouth Road right-of-way. Off-site AOC locations include commercial and residential properties located east of the site, from Belden Court west to Stark Road, and from Plymouth Road north to the railroad right-of-way (**Figure 2**).

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

2 SUMMARY OF ROUTINE ACTIVITIES

The following table summarizes all routine monitoring activities at the AOC completed during 3Q 2019. Refer to the subsequent sections for further detail on each respective event and associated tables and figures.

Date	Activity	Tables	Figures
September 2019	On-Site Groundwater Sampling	1, 2	3, 4, 5, 6, 7, 8,
September 2019	Off-Site Groundwater Sampling	3, 4	3, 9, 10, 11
July to September 2019	HCS Performance Monitoring	5	2, 3, 12

2.1 On-Site Groundwater Sampling

Arcadis completed on-site gauging on September 26, 2019. Monitoring wells and piezometers were gauged from the top of casing using an electronic water level meter to within 0.01 foot. A summary of the on-site 3Q 2019 groundwater elevations are included on the on-site quarterly groundwater elevation summary table (**Table 1**). Onsite groundwater elevation contours and apparent groundwater flow for the 3Q 2019 are provided on **Figure 3**.

On-site groundwater sampling was completed from September 19 through September 30, 2019 on all monitoring wells excluding the 10 on-site light non-aqueous phase liquid (LNAPL) wells (LMW-15-01, LMW-15-02, LMW-15-03, LMW-15-04, LMW-15-05, LMW-15-06, LMW-15-07, LMW-15-08, LMW-15-09, and LMW-15-10) and one monitoring well (MW-27), which has not been located in over 10 quarterly events and has been paved over and no longer accessible. Groundwater was purged from the wells at a flow rate of 100 to 300 milliliters per minute [mL/min] until field parameters (conductivity, pH, turbidity, temperature, dissolved oxygen [DO], and oxygen reduction potential [ORP]) stabilized. Once field parameters stabilized, groundwater samples were collected into laboratory supplied bottles. A summary of the 3Q 2019 groundwater analytical results is presented in the on-site quarterly groundwater analytical data summary table (**Table 2**). On-site groundwater field sampling logs are provided for reference in **Appendix B**.

Groundwater samples were collected from 75 on-site monitoring wells and submitted on ice to TestAmerica Laboratories in Canton, Ohio (TestAmerica). Additionally, duplicates and trip blanks taken during the sampling event were collected and analyzed in accordance with the methodology specified in the on-site Quality Assurance Project Plan (QAPP; Arcadis 2017a) and submitted to TestAmerica. All samples were submitted for analysis of the specific list of volatile organic compounds (VOCs) via United States Environmental Protection Agency (USEPA) Method 8260B and 1,4-dioxane via USEPA Method 8260B-SIM. The groundwater analytical results are discussed in Section 3 below.

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

2.2 Off-Site Groundwater Sampling

Arcadis completed off-site gauging on September 26, 2019. Monitoring wells were gauged from the top of casing using an electronic water level meter accurate to within 0.01 foot. A summary of the 3Q 2019 groundwater elevations (rights-of-way monitoring wells only) is included on the off-site quarterly groundwater elevation summary table (**Table 3**). Groundwater elevation contours and apparent groundwater flow are provided on **Figure 3**. Only monitoring wells within the rights-of-way (ROW) were gauged during the site-wide gauging event and used to produce the elevation contour figure.

Off-site groundwater sampling was completed from September 16 through September 25, 2019. Groundwater was purged from the monitoring well at a flow rate of 100 to 300 mL/min until field parameters (depth to water, specific conductance, conductivity, pH, turbidity, temperature, DO, and redox/ORP) had stabilized. Once field parameters were stable, groundwater samples were collected into laboratory-supplied bottles. A summary of the 3Q 2019 groundwater analytical results is presented in the off-site quarterly groundwater analytical data summary tables (**Table 4 and Appendix A**). Off-site groundwater field sampling logs are provided for reference in **Appendix C**.

Groundwater samples were collected from 137 monitoring wells and submitted on ice to TestAmerica. Additionally, duplicates, matrix spike/matrix spike duplicates, and trip blanks collected during the sampling event were analyzed in accordance with the methodology specified in the off-site QAPP (Arcadis 2017b) and submitted to TestAmerica. Samples were not collected from one monitoring well (MW-151S) due to a cracked well casing that could compromise the sample results. This well will be repaired prior to the 4Q 2019 sampling event. All groundwater samples were submitted for analysis of the specific list of VOCs via USEPA Method 8260B and 1,4-dioxane via USEPA Method 8260B-SIM based on a standard turnaround time of 10 business days. The groundwater analytical results are discussed below.

2.3 Off-Site Soil Gas Sampling

The off-site soil vapor monitoring points (SVMPs) were not sampled in 3Q 2019. Through 2Q 2019, nine rounds of soil gas sampling (June 2017, September 2017, November 2017, February 2018, May 2018, August 2018, November 2018, March 2019, and June 2019) have been completed since June 2016, totaling 252 soil gas samples. Although isolated low-level VOC detections have been noted, there have been no exceedances of the residential Recommended Interim Action Screening Levels (RIASLs) provided by EGLE for the site in any off-site soil gas sample collected from any depth interval; therefore, sampling of the SVMPs has been discontinued.

2.4 Hydraulic Control System

2.4.1 System Overview

The HCS was installed to intercept groundwater and mitigate the potential for impacted groundwater to continue to migrate east of the HCS. Ford began operation of the HCS on March 15, 2017.

The system is designed to extract groundwater via four horizontal wells (ESD-1, ESD-2, ESD-3, and ESD-4; see **Figure 2**), each equipped with a groundwater extraction pump. The extraction well screens are each 400 to 600 feet long; the combined length of the four wells extends across approximately 2,000 linear feet on a line approximately perpendicular to groundwater flow. Extracted groundwater is pumped

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

to an above-grade treatment system, where it is treated by bag filters, an air stripper, and granular-activated carbon filters before being discharged to the sanitary sewer under the approved wastewater discharge permit (permit number 006-27510-IU) with the Great Lakes Water Authority (GLWA).

HCS equipment is operated by a programmable logic controller (PLC) unit that allows the system to function without constant operator supervision. The HCS operates each horizontal well by extracting groundwater to achieve the set level within each pumping well. Pumping in each well ceases when target drawdown is achieved and resumes when the water level begins to rebound. Details regarding design and operation of the system are provided in the Remedial System Operation and Maintenance Manual dated June 29, 2017 and in the Conceptual Site Model (CSM) dated August 25, 2017.

2.5 Interim Sub-Slab Depressurization System

2.5.1 System Overview

In response to the presence of VOCs beneath the LTP building, Ford has designed, installed, and begun operation of an interim SSDS. The SSDS was specifically designed to target select locations in the plant where the highest concentrations of VOCs were present underneath the concrete slab. The goal of the interim SSDS is to reduce the potential for sub-slab soil vapor to migrate through the concrete slab into indoor air. Construction of the SSDS began in September 2017, and the system started extracting and treating soil vapor on August 14, 2018.

The system is designed to extract soil vapor via nine suction pits located in the LTP building (**Figure 2**). The suction pits are installed just beneath the building slab to induce a sub-slab vacuum and reduce the potential for sub-slab soil vapor to migrate into the indoor air. Each suction pit is connected to the conveyance piping network to transmit extracted soil vapor to the system building, where it is treated via a catalytic oxidizer before being discharged to the atmosphere pursuant to the Rule 290 air permitting exemption of the Michigan Air Pollution Control Rules.

3 SUMMARY OF RESPONSE ACTIVITY RESULTS

3.1 On-Site Groundwater Sampling

The on-site monitoring well groundwater results are compared to Michigan Part 201 Non-residential Generic Cleanup Criteria (December 2013). Comprehensive analytical results are summarized in **Table 2**. Compound concentrations of COCs exceeding Part 201 Criteria include cis-1,2-DCE, trans-1,2-DCE, TCE, and VC. Figures summarizing the exceedances of cis-1,2-DCE, trans-1,2-DCE, TCE, VC, and 1,4-dioxane from the four most recent quarters of data (October/November 2018, February/March 2019, June 2019, and September 2019) are provided on **Figures 4** through **8**, respectively. All other site-specific compounds (1,1-DCE and PCE) were either not detected at concentrations above the reporting limits or were detected at concentrations below Part 201 Criteria.

3.2 Off-Site Groundwater Sampling

The off-site monitoring well groundwater results are compared to the Part 201 Residential Generic Cleanup Criteria (December 2013) and the site-specific groundwater VI screening levels included as part of the Remedial Action Plan. *This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.*

of the CD. However, the site-specific screening levels provided for TCE and VC where groundwater may be in contact (GWIC) with a structure are below typical target detection limits (TDLs) for these compounds. Ford requested and received EGLE approval of (in December 2017) the use of the EGLE Remediation and Redevelopment Division (RRD) TDLs for TCE and VC of 1.0 microgram per liter (µg/L) as the groundwater screening level protective of VI at residential structures where there is potential for GWIC.

Comprehensive off-site groundwater analytical results are summarized in **Table 4** and **Appendix A**. Only VC was detected in off-site monitoring wells at concentrations above the 1.0 µg/L TDL from the 3Q 2019 sampling event. Although TCE, cis-1,2-DCE, and 1,4-dioxane were detected off site, no results exceeded the applicable criteria (TCE 1.0 µg/L, cis-1,2-DCE 70 µg/L, and 1,4-dioxane 7.2 µg/L). The results for 1,4-dioxane, TCE, and VC from the four most recent quarters of data (October 2018, February/March 2019, May 2019, and September 2019) are provided on **Figures 9, 10, and 11**, respectively. Other site-specific compounds (1,1-DCE, trans-1,2-DCE, and PCE) were either not detected at concentrations above the reporting limits or were detected at concentrations below respective Part 201 Residential Criterion.

3.3 Off-Site Vapor Intrusion

3.3.1 Ongoing Off-Site Vapor Intrusion Response Activities

Since the beginning of the investigation in September 2018 through September 30, 2019, approximately 2,252 indoor air, ambient air, and sub-slab soil vapor samples (includes duplicate samples) have been collected at residential and commercial properties. Additionally, water from sumps has been collected from residential properties where a sump is present.

To further evaluate groundwater quality, 62 shallow monitoring wells were installed in 1Q 2019 and were included in the quarterly sampling event to provide an additional line of evidence for analysis of the VI pathway in compliance with the CD. Based on shallow groundwater sampling results, preemptive mitigation is ongoing at 30 residential properties. To date, 27 of 30 mitigation systems have been installed. Mitigation in three of those homes have not been completed due to access issues.

3.4 Hydraulic Control System Operation and Performance Monitoring

The HCS performance is continually being evaluated and monitored. Treated water discharge volumes are documented daily and tabulated monthly (see **Table 5**). System shutdowns are documented and resolved as detailed below. Samples are collected each month to document permit compliance for sanitary discharge and air emissions.

3.4.1 Hydraulic Control System Operation

The HCS operated with minimal unscheduled downtime. **Exhibit 1** below describes the system shutdowns, approximate durations, and dates.

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

QUARTERLY PROGRESS REPORT – 3Q 2019

Exhibit 1: HCS Shutdown Summary

Date of Shutdown	Duration of Shutdowns	Summary of Shutdown
03-July-19 22-July-19 26-July-19	Less than one hour per day	System shut down to perform backwash on lead carbon vessel. Crew completed backwash, and HCS resumed normal operation the same day. Total shutdown time was less than 1 hour each day.
10-July-19	Less than 24 hours	System shut down to perform backwash on lead carbon vessel and complete cleaning activities on air stripper sump, trays, and floats. Normal operation resumed the same day. Total shutdown time was approximately 4.5 hours.
11-July-19 through 18-July-19	Approximately 145 hours (6 days)	System shut down due to air stripper transfer pump failure. A new pump was ordered, and field staff replaced it before returning the system to normal operation. Total shutdown time was approximately 145 hours.
19-July-19 20-July-19	Less than 24 hours	Fouled bag filters led to a high scrubber sump alarm, shutting the system down. Field staff replaced the bag filters and restarted system. Total shutdown time was approximately 23 hours.
26-July-19 through 31-July-19	Approximately 120 hours (5 days)	System shut down due to air stripper blower failure. The blower was replaced, and the system resumed normal operation. Total shutdown time was approximately 120 hours.
02-August-19	Less than an hour	System shut down for troubleshooting. Total shutdown time was approximately 0.5 hour.
05-August-19 12-August-19 23-August-19	Less than one hour per day	System shut down to replace bag filters. HCS resumed normal operation on the same day. Total shutdown time was less than 1 hour each day.
20-August-19	Less than an hour	System shut down to troubleshoot catalytic oxidizer. HCS resumed normal operation on the same day. Total shutdown time was approximately 0.5 hour.
03-September-19 through 06-September-19	Approximately 77 hours (3 days)	System shut down to replace the granular activated carbon (GAC) vessels. New GAC was added to the vessels and allowed to soak before normal operation resumed. Total shutdown time was approximately 77 hours.

During the reporting period, groundwater was extracted from the horizontal wells with the intent of maintaining continuous and consistent drawdown in each horizontal well. Discharge volumes and flowrates tabulated monthly during the reporting period are summarized in **Exhibit 2** below. Daily HCS discharge volumes and monthly discharge totals are provided in **Table 5** for the 3Q 2019 reporting period. The total volume of water collected and treated from March 15, 2017 through the 3Q 2019 is 35,573,981 gallons.

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

QUARTERLY PROGRESS REPORT – 3Q 2019

Exhibit 2: HCS Treated Discharge Water Volume and Flowrate Summary – 3Q 2019

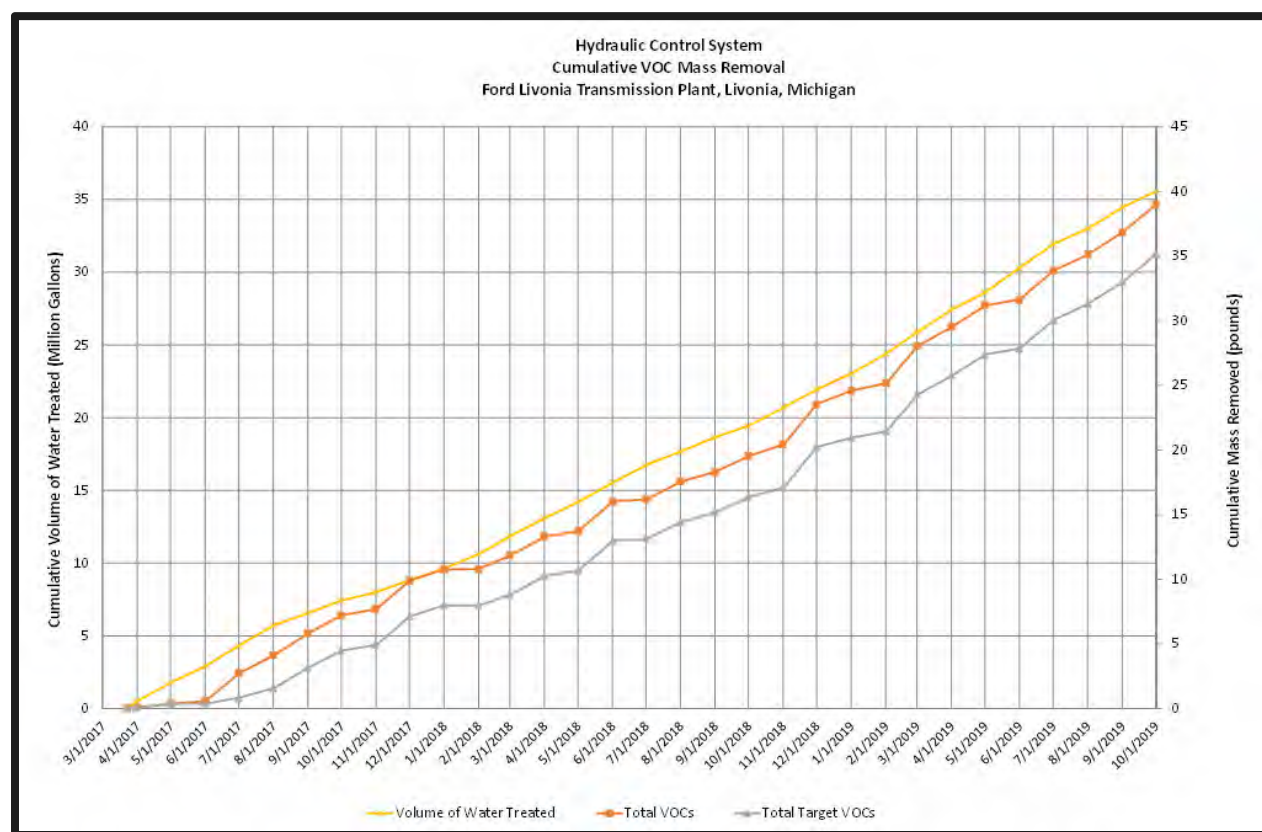
Month	Volume Treated (Gallons)	Average Operational Flowrate* (GPM)
July	1,061,369	42
August	1,461,193	33
September	1,104,714	29

GPM = gallons per minute

*Treated volume divided by operating time

Exhibit 3 below depicts the cumulative constituent-specific mass removal of the VOCs through the 3Q 2019 reporting period. Groundwater mass removal calculations are based on air stripper effluent vapor sampled since June 2017.

Exhibit 3: HCS Mass Removal – 3Q 2019



3.4.2 Maintenance Activities

Routine maintenance is required for effective operation of the HCS equipment and extraction wells. In 3Q 2019, both 1,000-gallon capacity steel GAC tanks were replaced with 800-gallon capacity fiberglass tanks due to ongoing leaks developing in the steel vessels. Concurrent with the vessel replacement, a carbon

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

change-out was completed, and 600 pounds of virgin GAC was added to each vessel. During the 3Q quarter, the air stripper blower and transfer pump were also replaced.

3.4.3 Hydraulic Control System Performance Monitoring

The performance of the HCS is evaluated in general accordance with USEPA guidance – A Systematic Approach for Evaluation of Capture Zone at Pump and Treat Systems (USEPA 2008) to demonstrate that the system is capturing groundwater as designed and mitigating additional migration of impacted groundwater to the east of the HCS. Three lines of evidence are used to evaluate system performance:

1. Groundwater elevation and horizontal gradient
2. Hydraulic response to pumping
3. Downgradient groundwater analytical trends.

Aquifer response was less pronounced during the 3rd quarter monitoring event when compared to previous quarters. This is partly due to lower groundwater levels during the dry part of the year and a potential loss of overall well efficiency related to the buildup of silt in the well screen and/or biofouling. All four ESD wells are scheduled to be redeveloped in 4Q 2019.

3.4.3.1 Groundwater Elevation

A groundwater elevation contour map, including the area around the HCS system, is provided as **Figure 3**. The HCS wells are a horizontal groundwater sink oriented perpendicular to groundwater flow that captures groundwater flux across the approximate 2,000-foot-long cross-sectional area. Due to seasonal fluctuation, the elevation of groundwater and the corresponding HCS total flow rate varies. The HCS extraction wells are equipped with variable speed pumps and can vary flow rate based on wet and dry seasons. The average monthly pumping rates (ranging from approximately 10 to 42 gpm over the course of a year) are consistent with the range of ambient groundwater flux rate calculated for the site. As shown on **Figure 3**, the hydraulic gradient west of the HCS is steep as groundwater approaches the HCS system. East of the HCS, the gradient is generally flat up to the eastern property boundary before resuming a more consistent gradient off site. This result is consistent with removal of the groundwater flux from the aquifer system and groundwater capture at the site. The groundwater elevation contours show a deflection around the two northern HCS wells (ESD-1 and ESD-2) with an inward gradient shown to the south around ESD-3 and -4.

Consistent with USEPA guidance, hydraulic gradient direction was calculated for a series of well triplets located downgradient of the HCS system. The well triplets and calculated flow vectors are shown on **Figure 12**. The gradient map shows that groundwater movement for the area extending beneath the northern portion of the system (ESD-1 and -2) is easterly, south-southeasterly near the northern end of ESD-3 and turning westerly toward ESD-4 on the southern portion of the system. As noted above, the pumping rates are consistent with the expected groundwater flux; however, the low seasonal groundwater elevation, subtle hydraulic response (detailed below) and sparse coverage of the piezometers (primarily due to underground utilities) complicate the 3rd hydraulic gradient analysis.

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

3.4.3.2 Hydraulic Response

Pressure transducers have been installed to monitor the system performance and influence on the aquifer system surrounding the HCS. Transducers are installed in 20 monitoring wells and piezometers at the southern end of the HCS wells above the pump and within the northern access vaults for each well.

Below is a list of the monitoring wells that currently have transducers installed:

- MW-50, MW-62, PZ-01, PZ-08, PZ-14, and PZ-15 record water levels near the northernmost section of the system adjacent to HCS well ESD-1.
- MW-48, PZ-06, PZ-07, and PZ-09 record water levels near the center section of the system adjacent to HCS well ESD-2.
- MW-46, MW-68, PZ-03, PZ-10, and PZ-13 record water levels near the center section of the system adjacent to HCS well ESD-3.
- MW-45, MW-71, PZ-05, PZ-11, and PZ-12 record water levels near the southern section of the system adjacent to HCS well ESD-4.
- The transducers located above the pumps on the southern end of each well are used to monitor pumping drawdown and modulate pumping rates for each well.
- Transducers located at the northern end of each HCS well are used to evaluate head loss across the length of the HCS well screen and evaluate pumping efficiency.
- The transducer located at MW-18 provides upgradient background water level data to help evaluate regional and seasonal groundwater elevation trends.

The transducer data for 3Q 2019 show piezometer and monitoring well groundwater elevation response in phase with pumping response, indicating hydraulic communication between the HCS wells and the surrounding aquifer. Hydrographs for each ESD well are provided in **Appendix D**.

3.4.3.3 Groundwater Analytical Trends

To date, up to 12 rounds of groundwater samples have been collected from monitoring wells beginning in 2016 (May 2016, April 2017, July 2017, November 2017, February 2018, May 2018, August 2018, October/November 2018, December 2018 [select wells], February/March 2019, May/June 2019, and September 2019). Analytical results from the four most recent quarters of data are included on **Figures 5** through **9**. A key result of the performance monitoring are the results from monitoring wells MW-71 and MW-62, located east of HCS wells ESD-4 and ESD-1 (respectively) and opposite the core of the chlorinated VOC impacts. Since the installation of these wells (April 2017), concentrations have been stable with only estimated detections of total DCE and VC at concentrations less than 1.0 µg/L.

Concentration trends for TCE, total DCE, and VC were reviewed at representative wells located along the axis of impacted areas (on site and off site) and at wells located downgradient of the HCS system between May 2016 and September 2019. Trend analysis from wells upgradient of the HCS system can provide insights regarding source maturity; stable concentrations (i.e., no trend with low variability in concentrations over time) and decreasing trends indicate that the source is mature or depleted. Increasing trends at individual source area wells can indicate an expanding plume, but also can reflect the wide range of concentrations and temporal variability common at source areas.

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

Trend analysis downgradient of the HCS provides the best measure of hydraulic capture performance; no trend and decreasing trends verify that the HCS is working, whereas increasing trends would indicate a lack of capture.

Mann-Kendall trend tests were conducted at selected wells for constituents present at concentrations greater than applicable screening criteria, and coefficient of variation values were calculated. The methodology, preliminary results summary, figures, and trend graphs are included as part of **Appendix E**. Key findings of the Mann-Kendall trend test include the following:

- Upgradient of HCS (south): At monitoring wells in the southern impacted area, concentrations of TCE, total DCE, and VC (where present above applicable screening levels) are statistically significantly decreasing or show no trend. The two exceptions are MW-02, where total DCE shows a statistically significant increasing trend, and MW-10, where VC shows a statistically significant increasing trend. These two wells are located upgradient of the HCS system along the core of the southern impacted area. Groundwater impacts associated with these two monitoring wells are captured by the HCS system.
- Upgradient of HCS (north): VC concentration trends at monitoring wells upgradient of the HCS in the northern impacted area are statistically significantly decreasing, except for a statistically significant increasing trend at MW-50 immediately adjacent to ESD-1.
- Downgradient of the HCS (on site): Concentrations of VC at each monitoring well located downgradient of the HCS system exhibit no trend, except for MW-43 and MW-52, which show statistically significant decreasing trends, and MW-69, which shows a statistically significant increasing trend.
 - o Review of the trend graph for MW-69, included in **Appendix E**, shows that the VC concentration was 2.8 µg/L in April 2017, fluctuated for several quarters, then increased to 4.1 µg/L in February 2019. Concentrations in June and September of 2019 were 3.6 and 3.5 µg/L, respectively. This well will continue to be monitored. Although statistically significant, the variability and overall low concentration associated with this dataset does not show a clear upward trend or, by itself, indicate a lack of hydraulic capture.
- Downgradient of the HCS (off site): Concentrations of VC at each monitoring well located off site show no trend, except for MW-72, MW-75D, MW-79D, MW-80S, and MW-85, which show statistically significant decreasing trends.

Except for a limited number of on-site monitoring well and constituent combinations that show statistically significant increasing trends (total DCE at MW-02, VC at MW-10, VC at MW-50, and VC at MW-69), the observations and measurements to date indicate that the groundwater impacts are stable and/or statistically decreasing. Results of this evaluation provide a key line of evidence to indicate that the HCS system prevents further migration of groundwater impacts to the east of the HCS.

3.5 Summary of Hydraulic Control System Compliance Actions

Compliance sampling for the HCS GLWA discharge permit was completed each month. Samples were collected after treatment and before groundwater discharge. Samples were analyzed for constituents required by the discharge permit. **Exhibit 4** below depicts the sampling parameters, methods, and

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

discharge limits monitored for compliance with the GLWA discharge permit. Results of compliance samples have been within discharge limits since system startup. Self-Monitoring Reports (SMRs) are submitted to the GLWA every 6 months to document discharge compliance.

Exhibit 4: GLWA Discharge Limitations for HCS

Parameter	Analytical Method	Discharge Limit
Cadmium (Cd)	USEPA 200.7 – Metals	1.0 milligrams per liter (mg/L)
Chromium (Cr)	USEPA 200.7 – Metals	25 mg/L
Copper (Cu)	USEPA 200.7 – Metals	2.5 mg/L
Lead (Pb)	USEPA 200.7 – Metals	1.0 mg/L
Nickel (Ni)	USEPA 200.7 – Metals	5.0 mg/L
Mercury (Hg)	USEPA 245.1 - Mercury	Non-Detect
Silver (Ag)	USEPA 200.7	1.0 mg/L
Zinc (Zn)	USEPA 200.7	7.3 mg/L
Total polychlorinated biphenyls (PCBs)	USEPA 608.3	Non-Detect
Total Toxic Organic Compounds	USEPA 624.1 - VOCs USEPA 625.1 – Semi-Volatile Organic Compounds (SVOCs) USEPA 625.1 Dioxin Screen USEPA 1613B – Dioxins and Furans	20 µg/L

In addition, the GLWA discharge permit limits the discharge volume of the HCS to 100,800 gallons per day (gpd). Discharge volumes, documented daily and tabulated monthly, have been within discharge limits since system startup. Tabulated discharge volumes for the 3Q 2019 reporting period are presented in **Table 5**.

During the reporting period, monthly vapor samples were collected and analyzed for VOCs using the USEPA Method TO-15 for documenting compliance with the Rule 290 air permitting exemption of the Michigan Air Pollution Control Rules. All vapor emissions have been within discharge limits since system startup. Rule 290 emissions calculations are documented monthly and available upon request.

3.6 Interim Sub-Slab Depressurization System Operation and Compliance Actions

The SSDS performance is continually evaluated and monitored. System shutdowns are documented and resolved as detailed below. Vapor analytical samples are collected monthly to verify destruction efficiency of the catalytic oxidizer and document emissions compliance with the Rule 290 air permitting exemption of the Michigan Air Pollution Control Rules.

During the reporting period, monthly vapor samples were collected and analyzed for VOCs using USEPA Method TO-15. All vapor emissions have been within discharge limits since system startup. Rule 290 emissions calculations are documented monthly and available upon request.

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

QUARTERLY PROGRESS REPORT – 3Q 2019

The SSDS operated with minimal downtime during the reporting period. **Exhibit 5** below describes the approximate duration and date of each shutdown. The majority of the downtime was to facilitate leak testing of the above-grade conveyance piping. Leak testing was completed to identify, and subsequently repair, any leaking fittings in the above-grade piping network. Approximately 85 percent of the piping network was leak tested in the 3Q and 12 minor leaks were identified. The location of the leaking fittings are on the influent side of the extraction blower where the conveyance piping is continuously under vacuum during normal operation. Because the piping is under vacuum soil-vapor will not be able to vent as a result of the current leaks that have been identified. Leak testing of the remaining 15 percent of the piping network and repairs are ongoing and will be summarized in the next quarterly report.

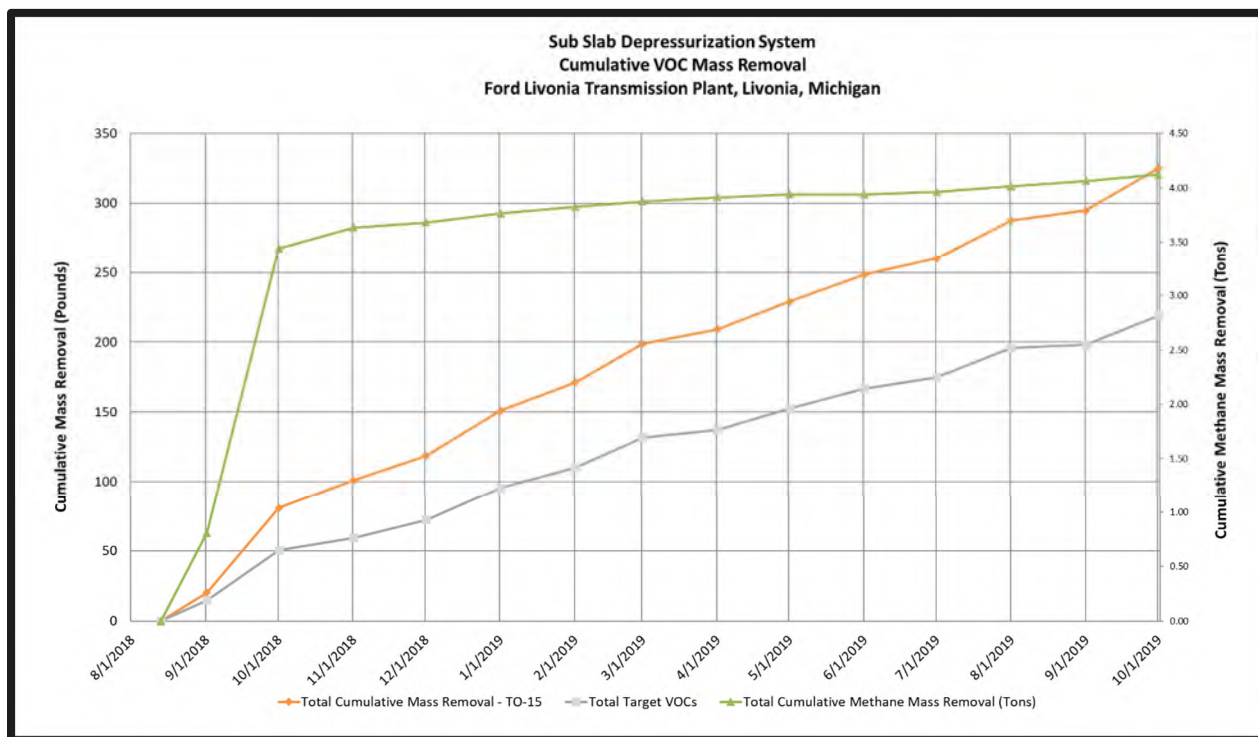
Exhibit 5: SSDS Shutdown Summary – 3Q 2019

Date of Shutdown	Duration of Shutdowns	Summary of Shutdown
06-July-19	Less than 3 days	System shut down due to an error in the PLC; once discovered, the system was restarted. Total shutdown time was approximately 69 hours.
16-July-19	Less than 1 hour	System shut down to facilitate leak testing on the piping inside LTP. Operation resumed the same day. Total shutdown time was approximately 0.5 hour.
29-July-19	Approximately 28 hours	System shut down to facilitate leak testing. Operation resumed the next day. Total shutdown time was approximately 28 hours.
26-September-19	Less than 24 hours	System shut down to conduct maintenance (cleaning) of the catalytic oxidizer's flame arrestor. Operation resumed on the same day. Total shutdown time was approximately 2 hours.

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

Exhibit 6 below depicts the cumulative constituent-specific mass removal of VOCs from sub-slab soil vapor through the 3Q 2019 reporting period.

Exhibit 6: SSDS Mass Removal – 3Q 2019



4 ACCESS AGREEMENTS

In 3Q 2019, no additional access was required. Ford continues to negotiate in good faith to obtain access to the remaining three residential properties for indoor air sampling and mitigation activities. Arcadis has requested access to one additional property west of the site to further delineate groundwater impacts.

5 OTHER RELEVANT INFORMATION

5.1 Due Care Obligations

Response activities and plant activities are ongoing and maintaining the due care obligation. In addition, Arcadis performs weekly ambient air monitoring throughout the plant to identify potential methane breakthrough. The monitoring is biased towards locations where piping or conduits come through the slab and move above grade.

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

5.2 Public Outreach

Ford currently has an active website that allows the general public access to project updates: <http://www.fordlivoniabostonbeaconproject.com>. Additionally, during work implementation, Arcadis continues to communicate with EGLE and off-site property owners.

5.3 List of Reporting Documents

A list of all reporting documents submitted during the 3Q 2019 reporting period is included in **Exhibit 7** below.

Exhibit 7: Submitted Reporting Documents – 3Q 2019

Report Title	Submission Date
EGLE Update Letter	July 12, 2019
Response to EGLE	July 25, 2019
EGLE Update Letter	July 31, 2019
Q2 2019 Progress Report	July 31, 2019
Residential Concern Memo	July 31, 2019
Utility Corridor Response Activity Plan	August 8, 2019
EGLE Update Letter	August 30, 2019
Residential Concern Memo	August 30, 2019
EGLE Update Letter	September 30, 2019
Residential Concern Memo	September 30, 2019

6 WASTE MANAGEMENT

All investigation-derived waste, construction debris, or other waste is properly stored in labelled containers (e.g., 55-gallon drum, frac tank) pending off-site disposal. All waste is managed by Ford and Clean Harbors. Clean Harbors is the Total Waste Manager (TWM) for the site. All purge water generated during the groundwater sampling event is containerized in buckets and passed through the groundwater treatment system on site. In 3Q 2019, no drums were disposed of.

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

7 PROPOSED SCHEDULE

Future response activities are scheduled as follows:

Exhibit 8: Response Activity Schedule

Response Activity	Proposed Schedule	Anticipated Completion
4Q 2019 On-site groundwater sampling	November 2019	December 2019
4Q 2019 Off-site groundwater sampling	November 2019	December 2019
HCS performance monitoring	Monthly	Ongoing
SSDS performance monitoring	Monthly	Ongoing
Off-Site Groundwater Delineation	Ongoing	Ongoing
Off-Site Vapor Intrusion Investigation	Ongoing	Ongoing
Off-Site Mitigation Response	Ongoing	Ongoing

8 REFERENCES

Arcadis. 2017a. Quality Assurance Project Plan for the Ford Livonia Transmission Plant – On-Site. August.

Arcadis. 2017b. Quality Assurance Project Plan for the Ford Livonia Transmission Plant – Off-Site. August.

USEPA. 2008. A Systematic Approach for Evaluation of Capture Zones at Pump and Treat Systems. U.S. Environmental Protection Agency, Washington, DC, EPA/600/R-08/003

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

TABLES



Table 1
On-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
LMW-15-01	673.98	7-12	11/16/15	8.42	11.36	12.00	665.56	2.94	662.62	664.97
			11/25/15	8.44	11.35	12.00	665.54	2.91	662.63	664.96
			11/30/15	8.38	11.36	12.00	665.60	2.98	662.62	665.01
			12/08/15	8.35	11.35	12.00	665.63	3.00	662.63	665.03
			11/06/17	Could Not Open						
			02/05/18							
			05/07/18	8.34	10.44	NM	665.64	2.10	663.54	665.22
			08/16/18	8.48	10.82	NM	665.50	2.34	663.16	665.03
			11/19/18	8.30	11.30	NM	665.68	3.00	662.68	665.08
			02/22/19	8.36	10.30	11.66	665.62	1.94	663.68	665.23
			06/14/19	8.21	9.42	11.70	665.77	1.21	664.56	665.53
			09/26/19	8.47	10.90	11.66	665.51	2.43	663.08	665.03
LMW-15-02	673.90	7-12	11/16/15	7.70	10.10	12.00	666.20	2.40	663.80	665.72
			11/25/15	7.68	9.83	12.00	666.22	2.15	664.07	665.79
			11/30/15	7.66	9.84	12.00	666.24	2.18	664.06	665.80
			12/09/15	7.60	9.76	12.00	666.30	2.16	664.14	665.86
			11/06/17	8.39	11.13	NM	665.51	2.74	662.77	664.96
			02/05/18	8.54	11.02	NM	665.36	2.48	662.88	664.86
			05/07/18	8.31	9.91	NM	665.59	1.60	663.99	665.27
			08/16/18	8.34	9.56	NM	665.56	1.22	664.34	665.31
			11/19/18	8.38	11.32	NM	665.52	2.94	662.58	664.93
			02/22/19	8.35	10.34	11.67	665.55	1.99	663.56	665.15
			06/14/19	8.18	9.01	11.70	665.72	0.83	664.89	665.55
			09/26/19	8.32	10.21	11.67	665.58	1.89	663.69	665.20
LMW-15-03	670.18	7-12	11/16/15	6.01	7.46	12.00	664.17	1.45	662.72	663.88
			11/25/15	5.92	7.04	12.00	664.26	1.12	663.14	664.04
			11/30/15	5.81	6.94	12.00	664.37	1.13	663.24	664.14
			12/11/15	5.83	7.26	12.00	664.35	1.43	662.92	664.06
			11/06/17	6.36	7.49	NM	663.82	1.13	662.69	663.59
			02/05/18	6.62	8.41	NM	663.56	1.79	661.77	663.20
			05/07/18	6.03	7.06	NM	664.15	1.03	663.12	663.94
			08/16/18	6.19	6.41	NM	663.99	0.22	663.77	663.95
			11/19/18	NM	NM	NM	NA	NA	NM	NM
			02/22/19	6.38	7.49	11.33	663.80	1.11	662.69	663.58
			06/14/19	5.80	6.85	11.73	664.38	1.05	663.33	664.17
			09/26/19	6.44	7.54	NM	663.74	1.10	662.64	663.52
LMW-15-04	673.92	6-11	11/16/15	7.10	8.79	11.00	666.82	1.69	665.13	666.48
			11/25/15	7.10	8.79	11.00	666.82	1.69	665.13	666.48
			11/30/15	7.06	8.79	11.00	666.86	1.73	665.13	666.52
			12/09/15	7.00	8.86	11.00	666.92	1.86	665.06	666.55
			11/06/17	Could Not Open						
			02/05/18							
			05/07/18	7.68	9.20	NM	666.24	1.52	664.72	665.94
			08/16/18	7.60	9.28	NM	666.32	1.68	664.64	665.99
			11/19/18	7.64	9.20	NM	666.28	1.56	664.72	665.97
			02/22/19	7.69	9.19	10.79	666.23	1.50	664.73	665.93
			06/14/19	7.44	8.97	11.22	666.48	1.53	664.95	666.18
			09/26/19	7.62	9.20	11.20	666.30	1.58	664.72	665.99

See Notes on Last Page.

Table 1
On-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
LMW-15-05	673.93	7-12	11/16/15	8.50	10.20	12.00	665.43	1.70	663.73	665.09
			11/25/15	8.50	9.99	12.00	665.43	1.49	663.94	665.14
			11/30/15	8.47	9.98	12.00	665.46	1.51	663.95	665.16
			12/08/15	8.42	9.92	12.00	665.51	1.50	664.01	665.21
			11/06/17	Could Not Locate						
			02/05/18							
			05/07/18							
			08/16/18	8.98	10.53	NM	664.95	1.55	663.40	664.64
			11/19/18	8.91	10.38	NM	665.02	1.47	663.55	664.73
			02/22/19	8.99	10.49	11.85	664.94	1.50	663.44	664.64
			06/14/19	8.66	10.00	11.83	665.27	1.34	663.93	665.01
			09/26/19	8.96	10.51	NM	664.97	1.55	663.42	664.66
LMW-15-06	673.93	7-12	11/16/15	6.92	8.82	12.00	667.01	1.90	665.11	666.63
			11/25/15	6.89	8.52	12.00	667.04	1.63	665.41	666.72
			11/30/15	6.74	8.39	12.00	667.19	1.65	665.54	666.86
			12/09/15	6.62	8.40	12.00	667.31	1.78	665.53	666.96
			11/06/17	Could Not Open						
			02/05/18							
			05/07/18	6.57	8.16	NM	667.36	1.59	665.77	667.05
			08/16/18	6.93	8.64	NM	667.00	1.71	665.29	666.66
			11/19/18	6.88	8.40	NM	667.05	1.52	665.53	666.75
			02/22/19	6.79	8.42	11.50	667.14	1.63	665.51	666.82
			06/14/19	6.35	8.10	11.53	667.58	1.75	665.83	667.23
			09/26/19	Could Not Open						
LMW-15-07	673.52	7-12	11/16/15	NP	7.70	12.00	NA	NA	665.82	665.82
			11/25/15	NP	7.32	12.00	NA	NA	666.20	666.20
			11/30/15	7.14	7.15	12.00	666.38	0.01	666.37	666.38
			12/11/15	7.08	7.09	12.00	666.44	0.01	666.43	666.44
			11/06/17	7.43	7.53	NM	666.09	0.10	665.99	666.07
			02/05/18	Could Not Locate						
			05/07/18							
			08/16/18	7.22	7.34	NM	666.30	0.12	666.18	666.28
			11/19/18	Could Not Locate						
			02/22/19							
			06/14/19	6.31	6.40	11.70	667.21	0.09	667.12	667.19
			09/26/19	7.30	7.35	NM	666.22	0.05	666.17	666.21
LMW-15-08	673.88	7.5-12.5	11/16/15	NP	6.30	12.50	NA	NA	667.58	667.58
			11/25/15	6.25	6.26	12.50	667.63	0.01	667.62	667.63
			11/30/15	6.12	6.13	12.50	667.76	0.01	667.75	667.76
			12/11/15	6.09	6.10	12.50	667.79	0.01	667.78	667.79
			11/06/17	Could Not Open						
			02/05/18							
			05/07/18	5.72	7.35	NM	668.16	1.63	666.53	667.84
			08/16/18	6.04	7.72	NM	667.84	1.68	666.16	667.51
			11/19/18	5.83	7.59	NM	668.05	1.76	666.29	667.70
			02/22/19	5.92	7.59	12.34	667.96	1.67	666.29	667.63
			06/14/19	Could Not Locate						
			09/26/19							

See Notes on Last Page.

Table 1
On-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
LMW-15-09	673.93	7-12	11/16/15	7.82	10.62	12.00	666.11	2.80	663.31	665.55
			11/25/15	7.76	10.51	12.00	666.17	2.75	663.42	665.62
			11/30/15	7.72	10.32	12.00	666.21	2.60	663.61	665.69
			12/10/15	7.73	10.38	12.00	666.20	2.65	663.55	665.67
			11/06/17	8.29	NA	11.75	665.64	3.71	NM	NM**
			02/05/18	8.58	10.50	NM	665.35	1.92	663.43	664.96
			05/07/18	7.95	9.39	NM	665.98	1.44	664.54	665.69
			08/16/18	8.12	10.45	NM	665.81	2.33	663.48	665.34
			11/19/18	8.04	10.01	NM	665.89	1.97	663.92	665.49
			02/22/19	8.09	10.40	11.70	665.84	2.31	663.53	665.38
			06/14/19	Could Not Open						
			09/26/19							
LMW-15-10	673.89	7-12	11/16/15	8.40	9.26	12.00	665.49	0.86	664.63	665.32
			11/25/15	8.32	9.13	12.00	665.57	0.81	664.76	665.41
			11/30/15	8.24	8.96	12.00	665.65	0.72	664.93	665.51
			12/10/15	8.18	8.79	12.00	665.71	0.61	665.10	665.59
			11/06/17	8.69	9.50	NM	665.20	0.81	664.39	665.04
			02/05/18	8.50	8.58	NM	665.39	0.08	665.31	665.38
			05/07/18	8.15	8.28	NM	665.74	0.13	665.61	665.72
			08/16/18	8.47	9.16	NM	665.42	0.69	664.73	665.29
			11/19/18	Could Not Locate						
			02/22/19	8.34	8.65	11.50	665.55	0.31	665.24	665.49
			06/14/19	Could Not Locate						
			09/26/19							
MW-15-59D	675.17	94-99	01/07/16	NP	21.83	99.00	NA	NA	653.34	653.34
			01/19/16	NP	21.91	99.00	NA	NA	653.26	653.26
			04/19/17	NP	21.37	99.37	NA	NA	653.80	653.80
			07/24/17	NP	28.71	100.80	NA	NA	646.46	646.46
			11/06/17	NP	24.48	100.65	NA	NA	650.69	650.69
			02/05/18	NP	21.44	100.01	NA	NA	653.73	653.73
			05/07/18	NP	23.48	NM	NA	NA	651.69	651.69
			08/16/18	NP	30.45	NM	NA	NA	644.72	644.72
			11/19/18	NP	22.90	NM	NA	NA	652.27	652.27
			02/22/19	NP	21.29	100.02	NA	NA	653.88	653.88
			06/14/19	NM	NM	NM	NA	NA	NM	NM
			09/26/19	NP	28.84	100.25	NA	NA	646.33	646.33
MW-15-60D	675.75	93-98	01/07/16	NP	19.47	100.00	NA	NA	656.28	656.28
			01/19/16	NP	19.71	100.00	NA	NA	656.04	656.04
			04/19/17	NP	18.65	99.50	NA	NA	657.10	657.10
			07/24/17	NP	24.09	99.92	NA	NA	651.66	651.66
			11/06/17	NP	20.63	99.92	NA	NA	655.12	655.12
			02/05/18	NP	19.61	99.42	NA	NA	656.14	656.14
			05/07/18	NP	19.31	NM	NA	NA	656.44	656.44
			08/16/18	NP	23.85	NM	NA	NA	651.90	651.90
			11/19/18	NP	19.97	NM	NA	NA	655.78	655.78
			02/22/19	NP	19.41	99.46	NA	NA	656.34	656.34
			06/14/19	NP	19.53	99.11	NA	NA	656.22	656.22
			09/26/19	NP	23.12	99.90	NA	NA	652.63	652.63

See Notes on Last Page.

Table 1
On-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-15-61D	670.03	88-93	01/07/16	NP	76.49	93.00	NA	NA	593.54	593.54
			01/08/16	NP	88.02	93.00	NA	NA	582.01	582.01
			01/19/16	NP	73.23	93.00	NA	NA	596.80	596.80
			01/20/16	NP	89.31	93.00	NA	NA	580.72	580.72
			01/26/16	NP	84.09	93.00	NA	NA	585.94	585.94
			01/27/16	NP	82.42	93.00	NA	NA	587.61	587.61
			01/28/16	NP	80.71	93.00	NA	NA	589.32	589.32
			04/19/17	NP	24.71	93.87	NA	NA	645.32	645.32
			07/24/17	NP	24.74	94.09	NA	NA	645.29	645.29
			11/06/17	NP	26.58	94.72	NA	NA	643.45	643.45
			02/06/18	NP	25.79	94.71	NA	NA	644.24	644.24
			05/07/18	NP	25.63	94.24	NA	NA	644.40	644.40
			08/16/18	NP	56.16	NM	NA	NA	613.87	613.87
			11/19/18	NP	36.37	NM	NA	NA	633.66	633.66
			03/02/19	NP	21.90	92.85	NA	NA	648.13	648.13
			06/14/19	Could Not Access, high traffic roadway						
			09/28/19	NP	24.70	94.59	NA	NA	645.33	645.33
MW-1	670.77	14-19	04/17/17	NP	3.82	18.61	NA	NA	666.95	666.95
			07/24/17	NP	3.57	18.44	NA	NA	667.20	667.20
			11/06/17	NP	3.93	18.78	NA	NA	666.84	666.84
			02/05/18	NP	NM ⁽²⁾	NM ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾
			05/07/18	NP	3.88	18.60	NA	NA	666.89	666.89
			08/16/18	NP	3.73	NM	NA	NA	667.04	667.04
			11/19/18	NP	3.30	NM	NA	NA	667.47	667.47
			03/01/19	NP	4.77	18.53	NA	NA	666.00	666.00
			06/14/19	NP	3.17	18.64	NA	NA	667.60	667.60
MW-2	673.80	15.5-20.5	09/26/19	NP	3.65	18.65	NA	NA	667.12	667.12
			05/12/16	NP	6.35	19.52	NA	NA	667.45	667.45
			04/17/17	NP	6.91	19.45	NA	NA	666.89	666.89
			07/24/17	NP	6.99	19.44	NA	NA	666.81	666.81
			11/06/17	NP	7.24	19.50	NA	NA	666.56	666.56
			02/05/18	NP	7.42	19.55	NA	NA	666.38	666.38
			05/07/18	NP	6.92	19.47	NA	NA	666.88	666.88
			08/16/18	NP	7.03	NM	NA	NA	666.77	666.77
			11/19/18	NP	6.56	NM	NA	NA	667.24	667.24
MW-3	673.61	14-19	03/01/19	NP	6.90	19.42	NA	NA	666.90	666.90
			06/14/19	NP	6.69	19.50	NA	NA	667.11	667.11
			09/26/19	NP	6.98	19.43	NA	NA	666.82	666.82
			05/12/16	NP	5.82	18.79	NA	NA	667.79	667.79
			04/17/17	NP	7.09	18.72	NA	NA	666.52	666.52
			07/24/17	NP	7.29	18.43	NA	NA	666.32	666.32
			11/06/17	NP	7.61	18.80	NA	NA	666.00	666.00
			02/05/18	NP	7.70	18.87	NA	NA	665.91	665.91
			05/07/18	NP	7.23	18.74	NA	NA	666.38	666.38
			08/16/18	NP	7.48	NM	NA	NA	666.13	666.13
			11/19/18	NP	7.34	NM	NA	NA	666.27	666.27
			02/22/19	7.25	7.27	18.78	666.36	0.02	666.34	666.36
			06/14/19	NP	7.10	18.64	NA	NA	666.51	666.51
			09/26/19	NP	7.36	18.65	NA	NA	666.25	666.25

See Notes on Last Page.

Table 1
On-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-4	673.85	15.5-20.5	05/13/16	NP	7.15	20.20	NA	NA	666.70	666.70
			04/17/17	NP	7.57	20.09	NA	NA	666.28	666.28
			07/24/17	NP	7.61	19.93	NA	NA	666.24	666.24
			11/06/17	NP	7.94	20.05	NA	NA	665.91	665.91
			02/05/18	NP	8.50	20.16	NA	NA	665.35	665.35
			05/07/18	NP	7.60	20.12	NA	NA	666.25	666.25
			08/16/18	NP	7.73	NM	NA	NA	666.12	666.12
			11/19/18	NP	7.59	NM	NA	NA	666.26	666.26
			02/22/19	7.64	7.67	19.93	666.21	0.03	666.18	666.20
			06/14/19	NP	7.39	20.15	NA	NA	666.46	666.46
MW-5*	674.40	15.5-20.5	09/26/19	NP	7.63	20.12	NA	NA	666.22	666.22
			05/13/16	NP	6.49	21.73	NA	NA	667.91	667.91
			07/24/17	NP	NM	NM	NA	NA	NM	NM
			11/06/17	NP	7.51	19.71	NA	NA	666.89	666.89
			02/05/18	NP	7.70	19.54	NA	NA	666.70	666.70
			05/07/18	NP	7.26	19.63	NA	NA	667.14	667.14
			08/16/18	NP	7.36	NM	NA	NA	667.04	667.04
			11/19/18	NP	7.20	NM	NA	NA	667.20	667.20
			02/22/19	7.22	7.23	19.63	667.18	0.01	667.17	667.18
			06/14/19	NP	7.00	19.68	NA	NA	667.40	667.40
MW-7	670.89	18-23	09/27/19	NP	7.28	19.66	NA	NA	667.12	667.12
			07/24/17	NP	4.79	22.39	NA	NA	666.10	666.10
			11/06/17	NP	5.24	22.56	NA	NA	665.65	665.65
			02/06/18	NP	4.48	22.50	NA	NA	666.41	666.41
			05/07/18	NP	4.54	22.35	NA	NA	666.35	666.35
			08/16/18	NP	4.81	NM	NA	NA	666.08	666.08
			11/19/18	NP	4.59	NM	NA	NA	666.30	666.30
			02/22/19	NP	4.65	22.55	NA	NA	666.24	666.24
MW-9	671.18	19.5-24.5	06/14/19	NP	4.25	22.40	NA	NA	666.64	666.64
			09/26/19	NP	4.88	22.39	NA	NA	666.01	666.01
			05/09/16	NP	5.82	24.34	NA	NA	665.36	665.36
			04/17/17	NP	6.79	24.34	NA	NA	664.39	664.39
			07/24/17	NP	5.88	24.29	NA	NA	665.30	665.30
			11/06/17	NP	6.38	24.53	NA	NA	664.80	664.80
			02/05/18	NP	6.40	24.35	NA	NA	664.78	664.78
			05/07/18	NP	5.65	24.20	NA	NA	665.53	665.53
			08/16/18	NP	5.94	NM	NA	NA	665.24	665.24
			11/19/18	NP	5.66	NM	NA	NA	665.52	665.52
			02/22/19	NP	5.74	24.35	NA	NA	665.44	665.44
			06/14/19	NP	5.42	24.25	NA	NA	665.76	665.76
			09/26/19	NP	5.98	24.24	NA	NA	665.2	665.20

See Notes on Last Page.

Table 1
On-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-10	673.78	16.5-21.5	05/13/16	NP	8.16	20.81	NA	NA	665.62	665.62
			04/17/17	NP	8.15	20.81	NA	NA	665.63	665.63
			07/24/17	NP	8.58	20.76	NA	NA	665.20	665.20
			11/06/17	NP	6.00	20.84	NA	NA	667.78	667.78
			02/05/18	NP	9.01	15.89	NA	NA	664.77	664.77
			05/07/18	NP	8.68	20.24	NA	NA	665.10	665.10
			08/16/18	NP	8.68	NM	NA	NA	665.10	665.10
			11/19/18	NP	8.49	NM	NA	NA	665.29	665.29
			02/22/19	NP	8.56	10.77	NA	NA	665.22	665.22
			06/14/19	NP	8.30	20.78	NA	NA	665.48	665.48
MW-14	671.24	15-20	09/26/19	NP	8.63	20.75	NA	NA	665.15	665.15
			07/24/17	NP	6.63	19.53	NA	NA	664.61	664.61
			11/06/17	NP	7.01	19.61	NA	NA	664.23	664.23
			02/05/18	NP	7.29	19.80	NA	NA	663.95	663.95
			05/07/18	NP	6.14	19.65	NA	NA	665.10	665.10
			08/16/18	NP	6.52	NM	NA	NA	664.72	664.72
			11/19/18	NP	6.19	NM	NA	NA	665.05	665.05
			02/26/19	NP	6.21	19.49	NA	NA	665.03	665.03
			06/14/19	NP	6.91	19.41	NA	NA	664.33	664.33
			09/26/19	NP	6.56	19.29	NA	NA	664.68	664.68
MW-18	670.41	13-18	05/09/16	NP	6.29	17.89	NA	NA	664.12	664.12
			04/17/17	NP	6.67	17.90	NA	NA	663.74	663.74
			07/24/17	NP	6.92	17.70	NA	NA	663.49	663.49
			11/06/17	NP	7.31	17.80	NA	NA	663.10	663.10
			02/06/18	NP	7.45	17.85	NA	NA	662.96	662.96
			05/04/18	NP	6.53	18.01	NA	NA	663.88	663.88
			08/16/18	NP	6.82	NM	NA	NA	663.59	663.59
			11/19/18	NP	6.45	17.92	NA	NA	663.96	663.96
			02/22/19	NP	6.76	18.01	NA	NA	663.65	663.65
			06/14/19	NP	6.14	17.82	NA	NA	664.27	664.27
MW-19	669.65	15-20	09/26/19	NP	6.83	17.84	NA	NA	663.58	663.58
			05/13/16	LNAPL						
			04/17/17							
			07/24/17							
			11/06/17	NP	5.91	19.85	NA	NA	663.74	663.74
			02/05/18	NP	6.23	19.84	NA	NA	663.42	663.42
			05/07/18	NP	5.51	19.98	NA	NA	664.14	664.14
			08/16/18	NP	5.67	NM	NA	NA	663.98	663.98
			11/19/18	NP	NM	NM	NA	NA	NM	NM
			02/22/19	NP	6.47	19.49	NA	NA	663.18	663.18
			06/14/19	NP	5.31	19.97	NA	NA	664.34	664.34
MW-20	669.33	13.5-18.5	09/26/19	NP	5.94	19.99	NA	NA	663.71	663.71
			07/24/17	NP	6.29	16.98	NA	NA	663.04	663.04
			11/06/17	NP	6.52	16.84	NA	NA	662.81	662.81
			02/05/18	NP	6.68	16.62	NA	NA	662.65	662.65
			05/11/18	NP	5.95	16.48	NA	NA	663.38	663.38
			08/16/18	NP	5.70	NM	NA	NA	663.63	663.63
			11/19/18	NP	5.49	16.00	NA	NA	663.84	663.84
			02/22/19	NP	5.97	15.81	NA	NA	663.36	663.36
			06/14/19	NP	4.95	15.42	NA	NA	664.38	664.38
			09/26/19	NP	4.67	15.24	NA	NA	664.66	664.66

See Notes on Last Page.

Table 1
On-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-21*	670.76	13.5-18.5	05/13/16	Could Not Open						
			04/17/17							
			07/24/17							
			11/06/17							
			02/06/18	NP	7.95	17.74	NA	NA	662.81	662.81
			05/07/18	NP	7.15	17.60	NA	NA	663.61	663.61
			08/16/18	NP	6.65	NM	NA	NA	664.11	664.11
			11/19/18	NP	6.85	17.71	NA	NA	663.91	663.91
			02/22/19	NP	7.40	17.60	NA	NA	663.36	663.36
			06/14/19	NP	6.57	18.60	NA	NA	664.19	664.19
MW-22	670.18	16.5-21.5	09/26/19	NP	6.94	17.64	NA	NA	663.82	663.82
			05/10/16	NP	6.18	20.83	NA	NA	664.00	664.00
			04/17/17	NP	7.13	21.41	NA	NA	663.05	663.05
			07/24/17	NP	7.53	20.42	NA	NA	662.65	662.65
			11/06/17	NP	7.51	20.51	NA	NA	662.67	662.67
			02/05/18	NP	7.61	20.48	NA	NA	662.57	662.57
			05/07/18	NP	6.66	20.50	NA	NA	663.52	663.52
			08/16/18	NP	6.71	NM	NA	NA	663.47	663.47
			11/19/18	NP	7.14	NM	NA	NA	663.04	663.04
			02/22/19	NP	7.54	20.45	NA	NA	662.64	662.64
MW-23	669.24	15-20	06/14/19	NP	6.53	20.48	NA	NA	663.65	663.65
			09/26/19	NP	7.48	20.47	NA	NA	662.70	662.70
			05/09/16	NP	6.23	19.82	NA	NA	663.01	663.01
			04/17/17	NP	6.67	19.79	NA	NA	662.57	662.57
			07/24/17	NP	6.69	19.72	NA	NA	662.55	662.55
			11/06/17	NP	6.60	19.72	NA	NA	662.64	662.64
			02/06/18	NP	6.93	NM	NA	NA	662.31	662.31
			05/07/18	NP	5.67	19.70	NA	NA	663.57	663.57
			08/16/18	NP	5.80	NM	NA	NA	663.44	663.44
			11/19/18	NP	5.75	NM	NA	NA	663.49	663.49
MW-24	675.48	19-24	02/22/19	Could Not Access, covered by ice/snow						
			06/14/19	NP	5.33	19.46	NA	NA	663.91	663.91
			09/26/19	NP	6.34	19.48	NA	NA	662.90	662.90
			04/17/17	NP	9.32	23.85	NA	NA	666.16	666.16
			07/24/17	NP	10.01	23.90	NA	NA	665.47	665.47
			11/06/17	NP	10.40	23.76	NA	NA	665.08	665.08
			02/05/18	NP	10.37	23.99	NA	NA	665.11	665.11
			05/07/18	NP	9.38	23.70	NA	NA	666.10	666.10
			08/16/18	NP	10.01	NM	NA	NA	665.47	665.47
			11/19/18	NP	9.56	NM	NA	NA	665.92	665.92
			02/22/19	NP	9.55	23.95	NA	NA	665.93	665.93
			06/14/19	NP	9.21	23.73	NA	NA	666.27	666.27
			09/26/19	NP	10.09	23.87	NA	NA	665.39	665.39

See Notes on Last Page.

Table 1
On-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-25	675.04	16-21	04/17/17	NP	5.35	20.54	NA	NA	669.69	669.69
			07/24/17	NP	6.34	20.52	NA	NA	668.70	668.70
			11/06/17	NP	6.51	20.38	NA	NA	668.53	668.53
			02/05/18	NP	6.55	20.52	NA	NA	668.49	668.49
			05/07/18	NP	4.98	20.25	NA	NA	670.06	670.06
			08/16/18	NP	6.19	NM	NA	NA	668.85	668.85
			11/19/18	NP	5.77	NM	NA	NA	669.27	669.27
			02/22/19	NP	5.51	20.48	NA	NA	669.53	669.53
			06/14/19	NP	4.89	20.52	NA	NA	670.15	670.15
MW-26	673.39	4.5-14.5	09/26/19	NP	6.05	20.50	NA	NA	668.99	668.99
			07/24/17	NP	5.96	14.09	NA	NA	667.43	667.43
			11/06/17	NP	6.09	14.10	NA	NA	667.30	667.30
			02/05/18	NP	6.08	14.05	NA	NA	667.31	667.31
			05/07/18	NP	5.24	13.90	NA	NA	668.15	668.15
			08/16/18	NP	5.98	NM	NA	NA	667.41	667.41
			11/19/18	NP	5.52	NM	NA	NA	667.87	667.87
			02/28/19	NP	4.55	14.50	NA	NA	668.84	668.84
			06/14/19	NP	5.01	14.05	NA	NA	668.38	668.38
MW-27*			09/26/19	NP	6.11	14.04	NA	NA	667.28	667.28
			Well Inaccessible							
MW-28	668.15	2-12	05/09/16	NP	3.21	11.81	NA	NA	664.94	664.94
			04/17/17	NP	3.78	11.69	NA	NA	664.37	664.37
			07/24/17	NP	4.61	11.73	NA	NA	663.54	663.54
			11/06/17	NP	4.81	11.68	NA	NA	663.34	663.34
			02/05/18	NP	4.63	11.65	NA	NA	663.52	663.52
			05/07/18	NP	3.67	11.67	NA	NA	664.48	664.48
			08/16/18	NP	4.64	NM	NA	NA	663.51	663.51
			11/19/18	NP	4.11	NM	NA	NA	664.04	664.04
			02/22/19	NP	3.98	11.64	NA	NA	664.17	664.17
MW-29	669.45	5-15	06/14/19	NP	3.50	11.65	NA	NA	664.65	664.65
			09/26/19	NP	4.67	11.65	NA	NA	663.48	663.48
			05/13/16	NP	4.10	14.85	NA	NA	665.35	665.35
			04/17/17	NP	4.53	14.84	NA	NA	664.92	664.92
			07/24/17	NP	5.41	14.90	NA	NA	664.04	664.04
			11/06/17	NP	6.65	15.81	NA	NA	662.80	662.80
			02/05/18	NP	5.52	14.84	NA	NA	663.93	663.93
			05/07/18	NP	4.64	14.80	NA	NA	664.81	664.81
			08/16/18	NP	5.44	NM	NA	NA	664.01	664.01
			11/19/18	NP	5.10	NM	NA	NA	664.35	664.35
			02/22/19	NP	5.09	14.87	NA	NA	664.36	664.36
			06/14/19	NM	NM	NM	NA	NA	NM	NM
			09/26/19	NP	5.50	14.90	NA	NA	663.95	663.95

See Notes on Last Page.

Table 1
On-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-30	670.70	19-24	05/09/16	NP	9.37	24.82	NA	NA	661.33	661.33
			04/17/17	NP	9.86	24.78	NA	NA	660.84	660.84
			07/24/17	NP	9.93	24.73	NA	NA	660.77	660.77
			11/06/17	NP	10.47	24.84	NA	NA	660.23	660.23
			02/05/18	NP	10.31	24.69	NA	NA	660.39	660.39
			05/07/18	NP	9.03	24.70	NA	NA	661.67	661.67
			08/16/18	NP	9.51	NM	NA	NA	661.19	661.19
			11/19/18	NP	9.23	NM	NA	NA	661.47	661.47
			02/22/19	NP	9.45	24.91	NA	NA	661.25	661.25
			06/14/19	NP	8.50	24.74	NA	NA	662.20	662.20
MW-31	670.82	17-22	09/26/19	NP	9.81	24.65	NA	NA	660.89	660.89
			05/09/16	NP	9.96	21.75	NA	NA	660.86	660.86
			04/17/17	NP	10.13	21.78	NA	NA	660.69	660.69
			07/24/17	NP	10.19	21.69	NA	NA	660.63	660.63
			11/06/17	NP	10.65	21.92	NA	NA	660.17	660.17
			02/05/18	NP	10.70	21.48	NA	NA	660.12	660.12
			05/07/18	NP	9.23	21.67	NA	NA	661.59	661.59
			08/16/18	NP	9.58	NM	NA	NA	661.24	661.24
			11/19/18	NP	9.31	NM	NA	NA	661.51	661.51
			02/22/19	NP	9.69	21.66	NA	NA	661.13	661.13
MW-32	670.43	18-23	06/14/19	NP	8.58	21.68	NA	NA	662.24	662.24
			09/26/19	NP	9.84	21.68	NA	NA	660.98	660.98
			05/09/16	NP	9.64	22.92	NA	NA	660.79	660.79
			04/17/17	NP	9.52	22.91	NA	NA	660.91	660.91
			07/24/17	NP	9.71	22.71	NA	NA	660.72	660.72
			11/06/17	NP	10.18	23.03	NA	NA	660.25	660.25
			02/05/18	NP	10.17	22.78	NA	NA	660.26	660.26
			05/07/18	NP	8.73	22.83	NA	NA	661.70	661.70
			08/16/18	NP	9.07	NM	NA	NA	661.36	661.36
			11/19/18	NP	8.72	NM	NA	NA	661.71	661.71
MW-33	669.94	14-19	02/22/19	NP	9.19	19.93	NA	NA	661.24	661.24
			06/14/19	NP	8.00	22.73	NA	NA	662.43	662.43
			09/26/19	NP	9.26	22.84	NA	NA	661.17	661.17
			05/09/16	NP	8.68	18.76	NA	NA	661.26	661.26
			04/17/17	NP	8.76	18.75	NA	NA	661.18	661.18
			07/24/17	NP	8.84	19.72	NA	NA	661.10	661.10
			11/06/17	NP	8.58	19.08	NA	NA	661.36	661.36
			02/05/18	NP	8.63	18.74	NA	NA	661.31	661.31
			05/07/18	NP	7.34	18.66	NA	NA	662.60	662.60
			08/16/18	NP	7.59	NM	NA	NA	662.35	662.35
			11/19/18	NP	7.33	NM	NA	NA	662.61	662.61
			02/22/19	NP	7.95	18.83	NA	NA	661.99	661.99
			06/14/19	NP	6.90	18.69	NA	NA	663.04	663.04
			09/26/19	NP	8.00	18.41	NA	NA	661.94	661.94

See Notes on Last Page.

Table 1
On-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-34	670.49	16.5-21.5	05/09/16	NP	7.98	21.21	NA	NA	662.51	662.51
			04/17/17	NP	8.83	21.30	NA	NA	661.66	661.66
			07/24/17	NP	9.45	21.23	NA	NA	661.04	661.04
			11/06/17	NP	10.02	21.65	NA	NA	660.47	660.47
			02/05/18	NP	9.73	21.35	NA	NA	660.76	660.76
			05/07/18	NP	8.34	21.26	NA	NA	662.15	662.15
			08/16/18	NP	9.18	NM	NA	NA	661.31	661.31
			11/19/18	NP	8.79	NM	NA	NA	661.70	661.70
			02/22/19	NP	9.18	20.20	NA	NA	661.31	661.31
			06/14/19	NP	7.95	21.26	NA	NA	662.54	662.54
MW-35	669.44	19.5-24.5	09/26/19	NP	9.39	21.28	NA	NA	661.10	661.10
			05/09/16	NP	6.62	24.48	NA	NA	662.82	662.82
			04/17/17	NP	7.16	24.63	NA	NA	662.28	662.28
			07/24/17	NP	8.55	24.44	NA	NA	660.89	660.89
			11/06/17	NP	9.11	24.45	NA	NA	660.33	660.33
			02/05/18	NP	8.63	24.50	NA	NA	660.81	660.81
			05/07/18	NP	7.03	24.40	NA	NA	662.41	662.41
			08/16/18	NP	8.30	NM	NA	NA	661.14	661.14
			11/19/18	NP	7.76	NM	NA	NA	661.68	661.68
			02/22/19	NP	7.64	24.55	NA	NA	661.80	661.80
MW-36	676.39	20-25	06/14/19	NP	6.85	24.35	NA	NA	662.59	662.59
			09/26/19	NP	8.60	23.34	NA	NA	660.84	660.84
			07/24/17	NP	9.49	24.75	NA	NA	666.90	666.90
			11/06/17	NP	10.98	24.88	NA	NA	665.41	665.41
			02/05/18	NP	10.15	24.91	NA	NA	666.24	666.24
			05/07/18	NP	9.28	24.72	NA	NA	667.11	667.11
			08/16/18	NP	9.55	NM	NA	NA	666.84	666.84
			11/19/18	NP	9.34	NM	NA	NA	667.05	667.05
			02/22/19	NP	9.42	24.89	NA	NA	666.97	666.97
			06/14/19	NP	8.90	24.80	NA	NA	667.49	667.49
MW-37	671.24	18-23	09/26/19	NP	9.65	24.82	NA	NA	666.74	666.74
			07/24/17	NP	8.14	24.75	NA	NA	663.10	663.10
			11/06/17	NP	8.26	23.18	NA	NA	662.98	662.98
			02/05/18	NP	8.33	22.80	NA	NA	662.91	662.91
			05/07/18	NP	7.01	22.76	NA	NA	664.23	664.23
			08/16/18	NP	7.49	NM	NA	NA	663.75	663.75
			11/19/18	NP	7.13	NM	NA	NA	664.11	664.11
			02/22/19	NP	7.54	22.92	NA	NA	663.70	663.70
			06/14/19	NP	6.67	22.67	NA	NA	664.57	664.57
			09/26/19	NP	7.79	22.68	NA	NA	663.45	663.45
MW-38	671.79	15-20	09/26/19	NP	8.05	19.53	NA	NA	663.74	663.74
			04/17/17	NP	8.23	19.55	NA	NA	663.56	663.56
			07/24/17	NP	8.69	23.69	NA	NA	663.10	663.10
			11/06/17	NP	8.53	19.75	NA	NA	663.26	663.26
			02/05/18	NP	8.67	19.65	NA	NA	663.12	663.12
			05/07/18	NP	7.28	19.50	NA	NA	664.51	664.51
			08/16/18	NP	7.61	NM	NA	NA	664.18	664.18
			11/19/18	NP	7.40	NM	NA	NA	664.39	664.39
			02/22/19	NP	8.00	19.59	NA	NA	663.79	663.79
			06/14/19	NP	6.90	19.50	NA	NA	664.89	664.89

See Notes on Last Page.

Table 1
On-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-39	672.19	19.5-24.5	04/19/17	NP	11.08	24.14	NA	NA	661.11	661.11
			07/24/17	NP	11.41	23.92	NA	NA	660.78	660.78
			11/06/17	NP	11.64	24.36	NA	NA	660.55	660.55
			02/05/18	NP	11.63	24.30	NA	NA	660.56	660.56
			05/07/18	NP	10.25	24.16	NA	NA	661.94	661.94
			08/16/18	NP	10.55	NM	NA	NA	661.64	661.64
			11/19/18	NP	10.24	NM	NA	NA	661.95	661.95
			02/22/19	NP	10.74	24.10	NA	NA	661.45	661.45
			06/14/19	NP	9.60	24.19	NA	NA	662.59	662.59
MW-40	670.65	15-20	09/26/19	NP	10.81	24.16	NA	NA	661.38	661.38
			05/09/16	NP	9.94	19.72	NA	NA	660.71	660.71
			04/19/17	NP	9.98	19.72	NA	NA	660.67	660.67
			07/24/17	NP	10.10	19.66	NA	NA	660.55	660.55
			11/06/17	NP	10.58	19.75	NA	NA	660.07	660.07
			02/05/18	NP	10.62	19.43	NA	NA	660.03	660.03
			05/07/18	NP	9.15	19.64	NA	NA	661.50	661.50
			08/16/18	NP	9.46	NM	NA	NA	661.19	661.19
			11/19/18	NP	9.13	NM	NA	NA	661.52	661.52
MW-41	670.34	16-21	02/22/19	NP	9.54	19.62	NA	NA	661.11	661.11
			06/14/19	NP	8.40	19.65	NA	NA	662.25	662.25
			09/26/19	NP	9.66	19.64	NA	NA	660.99	660.99
			05/09/16	NP	8.20	20.97	NA	NA	662.14	662.14
			04/19/17	NP	8.97	20.99	NA	NA	661.37	661.37
			07/24/17	NP	9.39	20.78	NA	NA	660.95	660.95
			11/06/17	NP	9.96	21.25	NA	NA	660.38	660.38
			02/05/18	NP	9.75	20.85	NA	NA	660.59	660.59
			05/07/18	NP	8.35	20.94	NA	NA	661.99	661.99
MW-42	670.10	16-21	08/16/18	NP	9.06	NM	NA	NA	661.28	661.28
			11/19/18	NP	8.73	NM	NA	NA	661.61	661.61
			02/22/19	NP	8.81	20.93	NA	NA	661.53	661.53
			06/14/19	NP	7.80	20.95	NA	NA	662.54	662.54
			09/26/19	NP	9.29	20.78	NA	NA	661.05	661.05
			05/09/16	NP	7.29	11.52	NA	NA	662.81	662.81
			04/19/17	NP	8.01	20.48	NA	NA	662.09	662.09
			07/24/17	NP	9.13	20.43	NA	NA	660.97	660.97
			11/06/17	NP	9.76	20.77	NA	NA	660.34	660.34
			02/05/18	NP	9.32	20.55	NA	NA	660.78	660.78
			05/07/18	NP	7.81	20.43	NA	NA	662.29	662.29
			08/16/18	NP	8.94	NM	NA	NA	661.16	661.16
			11/19/18	NP	8.46	NM	NA	NA	661.64	661.64
			02/22/19	NP	8.42	19.42	NA	NA	661.68	661.68
			06/14/19	NP	7.56	20.44	NA	NA	662.54	662.54
			09/26/19	NP	9.10	20.46	NA	NA	661.00	661.00

See Notes on Last Page.

Table 1
On-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-43	669.24	17-22	05/09/16	NP	6.34	21.85	NA	NA	662.90	662.90
			04/19/17	NP	6.80	26.82	NA	NA	662.44	662.44
			07/24/17	NP	8.34	21.79	NA	NA	660.90	660.90
			11/06/17	NP	8.92	21.98	NA	NA	660.32	660.32
			02/05/18	NP	8.42	21.80	NA	NA	660.82	660.82
			05/07/18	NP	6.78	21.76	NA	NA	662.46	662.46
			08/16/18	NP	8.17	NM	NA	NA	661.07	661.07
			11/19/18	NP	7.54	NM	NA	NA	661.70	661.70
			02/22/19	NP	7.34	21.95	NA	NA	661.90	661.90
			06/14/19	NP	6.55	21.54	NA	NA	662.69	662.69
MW-44	671.48	16-21	09/26/19	NP	8.45	21.56	NA	NA	660.79	660.79
			05/09/16	NP	6.59	17.42	NA	NA	664.89	664.89
			04/19/17	NP	7.48	19.95	NA	NA	664.00	664.00
			07/24/17	NP	8.38	20.93	NA	NA	663.10	663.10
			11/06/17	NP	8.55	20.74	NA	NA	662.93	662.93
			02/05/18	NP	8.51	20.90	NA	NA	662.97	662.97
			05/07/18	NP	7.40	20.75	NA	NA	664.08	664.08
			08/16/18	NP	8.01	NM	NA	NA	663.47	663.47
			11/19/18	NP	7.90	NM	NA	NA	663.58	663.58
			02/22/19	NP	8.20	20.72	NA	NA	663.28	663.28
MW-45	670.83	15-20	06/14/19	NP	7.38	20.73	NA	NA	664.10	664.10
			09/26/19	NP	8.44	20.75	NA	NA	663.04	663.04
			05/09/16	NP	14.22	19.81	NA	NA	656.61	656.61
			04/19/17	NP	11.45	19.67	NA	NA	659.38	659.38
			07/24/17	NP	11.07	19.76	NA	NA	659.76	659.76
			11/06/17	NP	9.82	19.75	NA	NA	661.01	661.01
			02/05/18	NP	10.30	19.72	NA	NA	660.53	660.53
			05/07/18	NP	9.43	19.99	NA	NA	661.40	661.40
			08/16/18	NP	9.02	NM	NA	NA	661.81	661.81
			11/19/18	NP	9.91	19.69	NA	NA	660.92	660.92
MW-46	670.84	16-21	02/22/19	NP	10.67	19.71	NA	NA	660.16	660.16
			06/14/19	NP	9.60	19.79	NA	NA	661.23	661.23
			09/26/19	NP	10.18	20.68	NA	NA	660.65	660.65
			05/09/16	NP	8.42	20.45	NA	NA	662.42	662.42
			04/19/17	NP	10.61	20.30	NA	NA	660.23	660.23
			07/24/17	NP	10.33	19.78	NA	NA	660.51	660.51
			11/06/17	NP	9.76	19.81	NA	NA	661.08	661.08
			02/05/18	NP	10.20	19.81	NA	NA	660.64	660.64
			05/07/18	NP	9.84	19.94	NA	NA	661.00	661.00
			08/16/18	NP	9.47	NM	NA	NA	661.37	661.37
			11/19/18	NP	10.18	19.63	NA	NA	660.66	660.66
			02/22/19	NP	10.79	19.64	NA	NA	660.05	660.05
			06/14/19	NP	9.48	19.87	NA	NA	661.36	661.36
			09/26/19	NP	10.35	19.73	NA	NA	660.49	660.49

See Notes on Last Page.

Table 1
On-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-47	671.33	16-21	05/09/16	NP	7.53	11.92	NA	NA	663.80	663.80
			04/19/17	NP	9.88	20.76	NA	NA	661.45	661.45
			07/24/17	NP	10.11	19.96	NA	NA	661.22	661.22
			11/06/17	NP	9.87	19.98	NA	NA	661.46	661.46
			02/05/18	NP	10.11	19.98	NA	NA	661.22	661.22
			05/07/18	NP	9.49	19.94	NA	NA	661.84	661.84
			08/16/18	NP	9.65	NM	NA	NA	661.68	661.68
			11/19/18	NP	10.02	19.93	NA	NA	661.31	661.31
			02/22/19	NP	10.50	19.92	NA	NA	660.83	660.83
			06/14/19	NM	NM	NM	NA	NA	NM	NM
			09/26/19	NP	10.23	19.96	NA	NA	661.10	661.10
MW-48	670.98	17-22	05/09/16	NP	6.33	21.76	NA	NA	664.65	664.65
			04/19/17	NP	8.93	21.62	NA	NA	662.05	662.05
			07/24/17	NP	9.70	20.42	NA	NA	661.28	661.28
			11/06/17	NP	9.33	20.34	NA	NA	661.65	661.65
			02/05/18	NP	10.08	20.35	NA	NA	660.90	660.90
			05/07/18	NP	8.84	20.60	NA	NA	662.14	662.14
			08/16/18	NP	9.34	NM	NA	NA	661.64	661.64
			11/19/18	NP	8.97	NM	NA	NA	662.01	662.01
			03/04/19	NP	9.80	20.40	NA	NA	661.18	661.18
			06/14/19	NP	8.64	20.26	NA	NA	662.34	662.34
			09/26/19	NP	9.17	20.26	NA	NA	661.81	661.81
MW-49	669.07	12.5-17.5	05/12/16	NP	6.57	17.31	NA	NA	662.50	662.50
			04/19/17	NP	7.03	17.31	NA	NA	662.04	662.04
			07/24/17	NP	6.94	17.37	NA	NA	662.13	662.13
			11/06/17	NM	NM	NM	NA	NA	NM	NM
			02/05/18	NP	7.32	17.44	NA	NA	661.75	661.75
			05/07/18	NP	6.88	17.28	NA	NA	662.19	662.19
			08/16/18	NP	6.39	NM	NA	NA	662.68	662.68
			11/19/18	NP	6.11	17.14	NA	NA	662.96	662.96
			02/22/19	NP	6.75	17.27	NA	NA	662.32	662.32
			06/14/19	NP	6.14	16.86	NA	NA	662.93	662.93
			09/27/19	NP	6.36	17.21	NA	NA	662.71	662.71
MW-50	670.16	16-21	05/09/16	NP	5.42	20.34	NA	NA	664.74	664.74
			04/19/17	NP	6.77	20.23	NA	NA	663.39	663.39
			07/24/17	NP	8.16	18.42	NA	NA	662.00	662.00
			11/06/17	NP	8.15	18.81	NA	NA	662.01	662.01
			02/05/18	NP	8.47	18.44	NA	NA	661.69	661.69
			05/07/18	NP	6.81	19.00	NA	NA	663.35	663.35
			08/16/18	NP	7.55	NM	NA	NA	662.61	662.61
			11/19/18	NP	7.44	NM	NA	NA	662.72	662.72
			02/22/19	NP	7.61	18.81	NA	NA	662.55	662.55
			06/14/19	NP	6.82	14.91	NA	NA	663.34	663.34
			09/26/19	NP	8.03	14.72	NA	NA	662.13	662.13

See Notes on Last Page.

Table 1
On-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-51	671.07	15-20	04/19/17	NP	6.12	19.04	NA	NA	664.95	664.95
			07/24/17	NP	7.82	18.92	NA	NA	663.25	663.25
			11/06/17	NP	7.58	18.91	NA	NA	663.49	663.49
			02/05/18	NP	7.89	18.95	NA	NA	663.18	663.18
			05/07/18	NP	6.24	18.85	NA	NA	664.83	664.83
			08/16/18	NP	7.33	NM	NA	NA	663.74	663.74
			11/19/18	NP	7.05	NM	NA	NA	664.02	664.02
			03/01/19	NP	7.03	14.56	NA	NA	664.04	664.04
			06/14/19	NP	6.08	18.89	NA	NA	664.99	664.99
MW-52	669.16	15-20	09/26/19	NP	7.81	18.91	NA	NA	663.26	663.26
			05/09/16	NP	6.39	19.81	NA	NA	662.77	662.77
			04/19/17	NP	6.59	19.76	NA	NA	662.57	662.57
			07/24/17	NP	8.33	19.75	NA	NA	660.83	660.83
			11/06/17	NP	8.87	19.83	NA	NA	660.29	660.29
			02/05/18	NP	8.43	19.57	NA	NA	660.73	660.73
			05/07/18	NP	6.57	19.76	NA	NA	662.59	662.59
			08/16/18	NP	8.30	NM	NA	NA	660.86	660.86
			11/19/18	NP	7.52	NM	NA	NA	661.64	661.64
MW-53	668.59	16-21	02/22/19	NP	7.36	19.73	NA	NA	661.80	661.80
			06/14/19	NP	6.43	19.75	NA	NA	662.73	662.73
			09/26/19	NP	8.58	19.76	NA	NA	660.58	660.58
			05/09/16	NP	6.05	20.85	NA	NA	662.54	662.54
			04/18/17	NP	6.03	20.83	NA	NA	662.56	662.56
			07/24/17	NP	7.92	20.63	NA	NA	660.67	660.67
			11/06/17	NP	8.35	21.08	NA	NA	660.24	660.24
			02/05/18	NP	7.98	20.68	NA	NA	660.61	660.61
			05/07/18	NP	6.08	20.81	NA	NA	662.51	662.51
MW-54	668.49	16-21	08/16/18	NP	7.87	NM	NA	NA	660.72	660.72
			11/19/18	NP	7.10	NM	NA	NA	661.49	661.49
			02/22/19	NP	6.73	20.62	NA	NA	661.86	661.86
			06/14/19	NP	5.98	20.62	NA	NA	662.61	662.61
			09/26/19	NP	8.15	20.64	NA	NA	660.44	660.44
			04/19/17	NP	6.01	20.86	NA	NA	662.48	662.48
			07/24/17	NP	8.08	20.52	NA	NA	660.41	660.41
			11/06/17	NP	8.17	20.71	NA	NA	660.32	660.32
			02/05/18	NP	7.96	20.56	NA	NA	660.53	660.53
MW-54S	668.24	4.5-9.5	05/07/18	NP	6.09	20.82	NA	NA	662.40	662.40
			08/16/18	NP	8.01	NM	NA	NA	660.48	660.48
			11/19/18	NP	7.06	NM	NA	NA	661.43	661.43
			02/22/19	Could Not Access, covered by ice/snow						
			06/14/19	NP	5.90	20.82	NA	NA	662.59	662.59
			09/26/19	NP	8.54	20.51	NA	NA	659.95	659.95
			06/14/19	NP	2.96	9.25	NA	NA	665.28	665.28
			09/26/19	NP	7.56	9.10	NA	NA	660.68	660.68
			11/04/19	NP	4.83	9.28	NA	NA	663.41	663.41

See Notes on Last Page.

Table 1
On-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-55	670.04	15-20	04/19/17	NP	6.84	19.82	NA	NA	663.20	663.20
			07/24/17	NP	8.95	19.56	NA	NA	661.09	661.09
			11/06/17	NP	8.98	20.03	NA	NA	661.06	661.06
			02/05/18	NP	8.78	19.64	NA	NA	661.26	661.26
			05/07/18	NP	6.91	19.74	NA	NA	663.13	663.13
			08/16/18	NP	8.66	NM	NA	NA	661.38	661.38
			11/19/18	NP	7.86	NM	NA	NA	662.18	662.18
			02/22/19	NP	7.63	19.55	NA	NA	662.41	662.41
			06/14/19	NP	6.95	19.72	NA	NA	663.09	663.09
MW-55D	670.17	19-24	09/26/19	NP	9.20	19.56	NA	NA	660.84	660.84
			06/14/19	NP	7.04	23.82	NA	NA	663.13	663.13
			09/26/19	NP	9.46	25.65	NA	NA	660.71	660.71
MW-56	670.26	16-21	04/19/17	NP	6.67	20.69	NA	NA	663.59	663.59
			07/24/17	NP	8.18	20.58	NA	NA	662.08	662.08
			11/06/17	NP	8.37	20.76	NA	NA	661.89	661.89
			02/05/18	NP	8.08	20.59	NA	NA	662.18	662.18
			05/07/18	NP	6.62	26.44	NA	NA	663.64	663.64
			08/16/18	NP	7.95	NM	NA	NA	662.31	662.31
			11/19/18	NP	7.40	NM	NA	NA	662.86	662.86
			02/22/19	NP	7.19	20.39	NA	NA	663.07	663.07
			06/14/19	NP	6.68	20.41	NA	NA	663.58	663.58
MW-57	668.93	17-22	09/26/19	NP	8.32	20.40	NA	NA	661.94	661.94
			04/19/17	NP	5.89	21.72	NA	NA	663.04	663.04
			07/24/17	NP	7.83	21.63	NA	NA	661.10	661.10
			11/06/17	NP	8.12	21.83	NA	NA	660.81	660.81
			02/06/18	NP	7.86	21.80	NA	NA	661.07	661.07
			05/07/18	NP	5.79	21.73	NA	NA	663.14	663.14
			08/16/18	NP	7.59	NM	NA	NA	661.34	661.34
			11/19/18	NP	6.78	NM	NA	NA	662.15	662.15
			02/22/19	NP	6.73	21.66	NA	NA	662.20	662.20
MW-58	668.73	15-20	06/14/19	NP	5.75	21.66	NA	NA	663.18	663.18
			09/26/19	NP	8.03	21.68	NA	NA	660.90	660.90
			05/09/16	NP	3.51	19.74	NA	NA	665.22	665.22
			04/19/17	NP	4.28	19.72	NA	NA	664.45	664.45
			07/24/17	NP	5.68	18.70	NA	NA	663.05	663.05
			11/06/17	NP	5.78	19.69	NA	NA	662.95	662.95
			02/05/18	NP	5.63	19.40	NA	NA	663.10	663.10
			05/07/18	NP	4.01	19.68	NA	NA	664.72	664.72
			08/16/18	NP	5.43	NM	NA	NA	663.30	663.30
			11/19/18	NP	5.03	NM	NA	NA	663.70	663.70
			03/01/19	NP	4.65	19.66	NA	NA	664.08	664.08
			06/14/19	NP	4.12	19.66	NA	NA	664.61	664.61
			09/26/19	NP	5.75	19.64	NA	NA	662.98	662.98

See Notes on Last Page.

Table 1
On-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-62	671.06	16.3-21.3	04/20/17	NP	7.89	21.13	NA	NA	663.17	663.17
			07/24/17	NP	10.11	21.01	NA	NA	660.95	660.95
			11/06/17	NP	9.43	21.14	NA	NA	661.63	661.63
			02/05/18	NP	9.46	21.15	NA	NA	661.60	661.60
			05/07/18	NP	7.72	21.15	NA	NA	663.34	663.34
			08/16/18	NP	8.75	NM	NA	NA	662.31	662.31
			11/19/18	NP	8.46	NM	NA	NA	662.60	662.60
			02/22/19	NP	8.52	21.13	NA	NA	662.54	662.54
			06/14/19	NP	7.87	21.15	NA	NA	663.19	663.19
MW-63	669.96	7-12	09/26/19	NP	9.14	21.12	NA	NA	661.92	661.92
			04/20/17	NP	7.32	11.75	NA	NA	662.64	662.64
			07/24/17	NP	8.45	11.78	NA	NA	661.51	661.51
			11/06/17	NP	8.18	11.80	NA	NA	661.78	661.78
			02/05/18	NP	8.77	11.80	NA	NA	661.19	661.19
			05/07/18	NP	7.24	11.80	NA	NA	662.72	662.72
			08/16/18	NP	7.82	NM	NA	NA	662.14	662.14
			11/19/18	NP	7.89	NM	NA	NA	662.07	662.07
			02/22/19	NP	8.36	11.79	NA	NA	661.60	661.60
MW-64	671.09	15-20	06/19/19	NP	7.55	11.78	NA	NA	662.41	662.41
			09/26/19	NP	8.22	11.78	NA	NA	661.74	661.74
			04/20/17	NP	8.55	21.10	NA	NA	662.54	662.54
			07/24/17	NP	9.83	20.05	NA	NA	661.26	661.26
			11/06/17	NP	10.20	20.36	NA	NA	660.89	660.89
			02/06/18	NP	10.14	20.19	NA	NA	660.95	660.95
			05/07/18	NP	8.44	20.05	NA	NA	662.65	662.65
			08/16/18	NP	9.42	NM	NA	NA	661.67	661.67
			11/19/18	NP	9.12	NM	NA	NA	661.97	661.97
MW-65	671.98	16-21	02/28/19	NP	9.05	20.20	NA	NA	662.04	662.04
			06/14/19	NP	8.30	20.00	NA	NA	662.79	662.79
			09/26/19	NP	9.71	20.01	NA	NA	661.38	661.38
			04/20/17	NP	8.26	21.18	NA	NA	663.72	663.72
			07/24/17	NP	9.87	21.11	NA	NA	662.11	662.11
			11/06/17	NP	9.68	21.11	NA	NA	662.30	662.30
			02/05/18	NP	10.05	21.16	NA	NA	661.93	661.93
			05/07/18	NP	8.37	21.04	NA	NA	663.61	663.61
			08/16/18	NP	9.13	NM	NA	NA	662.85	662.85
MW-66	669.83	15-20	11/19/18	NP	9.06	NM	NA	NA	662.92	662.92
			02/28/19	NP	9.49	19.59	NA	NA	662.49	662.49
			06/14/19	NP	8.35	21.10	NA	NA	663.63	663.63
			09/26/19	NP	9.57	21.10	NA	NA	662.41	662.41
			04/20/17	NP	6.55	19.49	NA	NA	663.28	663.28
			07/24/17	NP	7.81	19.35	NA	NA	662.02	662.02
			11/06/17	NP	7.51	19.23	NA	NA	662.32	662.32
			02/05/18	NP	8.03	19.06	NA	NA	661.80	661.80
			05/07/18	NP	6.79	19.02	NA	NA	663.04	663.04
			08/16/18	NP	7.33	NM	NA	NA	662.50	662.50
			11/19/18	NP	7.25	NM	NA	NA	662.58	662.58
			03/04/19	NP	7.65	19.11	NA	NA	662.18	662.18
			06/14/19	NP	6.45	19.00	NA	NA	663.38	663.38
			09/26/19	NP	7.49	19.02	NA	NA	662.34	662.34

See Notes on Last Page.

Table 1
On-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-67	671.32	9-14	04/20/17	NP	9.44	13.97	NA	NA	661.88	661.88
			07/24/17	NP	9.84	13.84	NA	NA	661.48	661.48
			11/06/17	NP	9.76	14.01	NA	NA	661.56	661.56
			02/05/18	NP	10.00	14.02	NA	NA	661.32	661.32
			05/07/18	NP	9.14	14.01	NA	NA	662.18	662.18
			08/16/18	NP	9.48	NM	NA	NA	661.84	661.84
			11/19/18	NP	9.30	NM	NA	NA	662.02	662.02
			02/28/19	NP	9.89	14.12	NA	NA	661.43	661.43
			06/14/19	NP	9.02	14.03	NA	NA	662.30	662.30
MW-68	670.71	15-20	09/26/19	NP	9.59	14.00	NA	NA	661.73	661.73
			04/20/17	NP	9.39	21.85	NA	NA	661.32	661.32
			07/24/17	NP	9.55	19.86	NA	NA	661.16	661.16
			11/06/17	NP	9.51	19.85	NA	NA	661.20	661.20
			02/05/18	NP	9.68	19.85	NA	NA	661.03	661.03
			05/15/18	NP	8.68	19.82	NA	NA	662.03	662.03
			08/16/18	NP	9.04	NM	NA	NA	661.67	661.67
			11/19/18	NP	9.17	19.79	NA	NA	661.54	661.54
			03/08/19	NP	9.69	15.29	NA	NA	661.02	661.02
MW-69	670.27	15-20	06/14/19	NP	8.75	19.85	NA	NA	661.96	661.96
			09/26/19	NP	9.47	19.79	NA	NA	661.24	661.24
			04/20/17	NP	9.71	19.91	NA	NA	660.56	660.56
			07/24/17	NP	NM	NM	NA	NA	NM	NM
			11/06/17	NP	9.91	19.98	NA	NA	660.36	660.36
			02/05/18	NP	9.78	20.01	NA	NA	660.49	660.49
			05/07/18	NP	14.78	19.91	NA	NA	655.49	655.49
			08/16/18	NP	8.90	NM	NA	NA	661.37	661.37
			11/19/18	NP	8.79	NM	NA	NA	661.48	661.48
MW-70	671.36	15-20	02/22/19	NP	9.30	19.98	NA	NA	660.97	660.97
			06/14/19	NM	NM	NM	NA	NA	NM	NM
			09/26/19	NP	9.35	19.92	NA	NA	660.92	660.92
			04/20/17	NP	11.46	20.14	NA	NA	659.90	659.90
			07/24/17	NP	11.02	20.18	NA	NA	660.34	660.34
			11/06/17	NP	10.23	20.15	NA	NA	661.13	661.13
			02/05/18	NP	10.74	20.12	NA	NA	660.62	660.62
			05/07/18	NP	9.72	20.13	NA	NA	661.64	661.64
			08/16/18	NP	9.67	NM	NA	NA	661.69	661.69
MW-71	671.04	15-20	11/19/18	NP	10.40	20.09	NA	NA	660.96	660.96
			02/22/19	NP	11.13	15.30	NA	NA	660.23	660.23
			06/14/19	NP	9.82	20.09	NA	NA	661.54	661.54
			09/26/19	NP	10.77	20.11	NA	NA	660.59	660.59
			04/20/17	NP	12.45	20.16	NA	NA	658.59	658.59
			07/24/17	NP	11.84	20.22	NA	NA	659.20	659.20
			11/06/17	NP	10.74	20.21	NA	NA	660.30	660.30
			02/05/18	NP	11.13	20.18	NA	NA	659.91	659.91
			05/07/18	NP	10.23	20.35	NA	NA	660.81	660.81
			08/16/18	NP	9.79	NM	NA	NA	661.25	661.25
			11/19/18	NP	11.03	20.14	NA	NA	660.01	660.01
			02/22/19	NP	11.66	20.24	NA	NA	659.38	659.38
			06/14/19	NP	10.91	20.15	NA	NA	660.13	660.13
			09/26/19	NP	11.12	20.17	NA	NA	659.92	659.92

See Notes on Last Page.

Table 1
On-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-113	672.44	5-10	09/26/19	NP	5.20	9.56	NA	NA	667.24	667.24
MW-114	670.80	5-10	09/26/19	NP	5.50	9.42	NA	NA	665.30	665.30
MW-120	670.35	7-12	09/26/19	NP	6.78	11.74	NA	NA	663.57	663.57
MW-122	670.47	16-20	09/26/19	NP	10.01	20.70	NA	NA	660.46	660.46
MW-124	670.24	5-10	09/30/19	NP	2.01	9.60	NA	NA	668.23	668.23
PW-16-01	670.23	9.7-19.7	07/24/17	NP	9.04	21.58	NA	NA	661.19	661.19
			11/06/17	NP	8.45	21.58	NA	NA	661.78	661.78
			02/05/18	NP	8.70	21.62	NA	NA	661.53	661.53
			05/07/18	NP	7.24	21.44	NA	NA	662.99	662.99
			08/16/18	NP	7.56	NM	NA	NA	662.67	662.67
			11/19/18	NP	8.00	NM	NA	NA	662.23	662.23
			02/22/19	NP	8.71	21.60	NA	NA	661.52	661.52
			06/14/19	NP	7.40	21.45	NA	NA	662.83	662.83
			09/26/19	NP	8.46	21.47	NA	NA	661.77	661.77
PW-16-02	669.97	6-21	07/24/17	NP	6.77	8.36	NA	NA	663.20	663.20
			11/06/17	NP	6.54	23.79	NA	NA	663.43	663.43
			02/05/18	NP	6.65	24.55	NA	NA	663.32	663.32
			05/07/18	NP	4.85	23.65	NA	NA	665.12	665.12
			08/16/18	NP	6.40	NM	NA	NA	663.57	663.57
			11/19/18	NP	5.72	NM	NA	NA	664.25	664.25
			02/25/19	NP	5.29	23.69	NA	NA	664.68	664.68
			06/14/19	NP	4.78	23.78	NA	NA	665.19	665.19
			09/26/19	NP	6.75	23.70	NA	NA	663.22	663.22
TW-16-01	669.53	12-17	07/24/17	NP	8.36	16.80	NA	NA	661.17	661.17
			11/06/17	NP	7.68	16.64	NA	NA	661.85	661.85
			02/05/18	NP	7.91	16.87	NA	NA	661.62	661.62
			05/07/18	NP	6.87	16.64	NA	NA	662.66	662.66
			08/16/18	NP	6.78	NM	NA	NA	662.75	662.75
			11/19/18	NP	7.14	NM	NA	NA	662.39	662.39
			02/22/19	NP	7.91	16.62	NA	NA	661.62	661.62
			06/14/19	NP	6.59	16.62	NA	NA	662.94	662.94
			09/26/19	NP	7.71	16.80	NA	NA	661.82	661.82
TW-16-02	669.43	12-17	04/20/17	NP	4.48	18.85	NA	NA	664.95	664.95
			07/24/17	NP	8.00	17.14	NA	NA	661.43	661.43
			11/06/17	NP	7.48	17.17	NA	NA	661.95	661.95
			02/05/18	NP	7.71	17.15	NA	NA	661.72	661.72
			05/07/18	NP	6.85	16.91	NA	NA	662.58	662.58
			08/16/18	NP	6.62	NM	NA	NA	662.81	662.81
			11/19/18	NP	6.94	NM	NA	NA	662.49	662.49
			02/22/19	NP	7.67	17.13	NA	NA	661.76	661.76
			06/14/19	NP	6.36	16.89	NA	NA	663.07	663.07
			09/26/19	NP	7.50	17.15	NA	NA	661.93	661.93

See Notes on Last Page.

Table 1
On-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
TW-16-03	669.34	9-19	07/24/17	NP	6.10	18.65	NA	NA	663.24	663.24
			11/06/17	NP	6.00	18.65	NA	NA	663.34	663.34
			02/05/18	NP	6.05	18.75	NA	NA	663.29	663.29
			05/07/18	NP	4.29	18.72	NA	NA	665.05	665.05
			08/16/18	NP	5.79	NM	NA	NA	663.55	663.55
			11/19/18	NP	5.13	NM	NA	NA	664.21	664.21
			02/25/19	NP	4.74	18.89	NA	NA	664.60	664.60
			06/14/19	NP	4.22	18.74	NA	NA	665.12	665.12
TW-16-04	669.80	9-19	09/26/19	NP	6.16	18.65	NA	NA	663.18	663.18
			04/20/17	NP	4.90	19.02	NA	NA	664.90	664.90
			07/24/17	NP	6.46	18.93	NA	NA	663.34	663.34
			11/06/17	NP	6.36	18.93	NA	NA	663.44	663.44
			02/05/18	NP	6.43	18.73	NA	NA	663.37	663.37
			05/07/18	NP	4.65	18.90	NA	NA	665.15	665.15
			08/16/18	NP	6.17	NM	NA	NA	663.63	663.63
			11/19/18	NP	5.59	NM	NA	NA	664.21	664.21
PZ-01	670.88	15-20	02/25/19	NP	5.10	18.92	NA	NA	664.70	664.70
			06/14/19	NP	4.61	18.71	NA	NA	665.19	665.19
			09/26/19	NP	6.53	18.93	NA	NA	663.27	663.27
PZ-02	670.67	15-20	02/22/19	NP	8.64	19.42	NA	NA	662.24	662.24
			06/14/19	NP	7.84	19.42	NA	NA	663.04	663.04
			09/26/19	NP	9.57	19.43	NA	NA	661.31	661.31
PZ-03	670.62	15-20	02/22/19	NP	8.90	19.70	NA	NA	661.77	661.77
			06/14/19	NP	8.06	19.70	NA	NA	662.61	662.61
			09/26/19	NP	9.20	19.72	NA	NA	661.47	661.47
PZ-04	671.03	16-21	02/22/19	NP	9.23	19.68	NA	NA	661.39	661.39
			06/14/19	NP	8.31	19.68	NA	NA	662.31	662.31
			09/26/19	NP	9.48	19.67	NA	NA	661.14	661.14
PZ-05	670.92	15-20	02/22/19	NP	10.18	19.75	NA	NA	660.85	660.85
			06/14/19	NP	9.26	20.73	NA	NA	661.77	661.77
			09/26/19	NP	10.56	20.77	NA	NA	660.47	660.47
PZ-06	671.82	16-21	02/22/19	NP	10.60	19.63	NA	NA	660.32	660.32
			06/14/19	NP	9.52	19.64	NA	NA	661.40	661.40
			09/26/19	NP	10.25	19.62	NA	NA	660.67	660.67
PZ-07	670.87	15-20	02/22/19	NP	10.85	20.97	NA	NA	660.97	660.97
			06/14/19	NP	9.37	20.98	NA	NA	662.45	662.45
			09/26/19	NP	9.94	20.97	NA	NA	661.88	661.88
PZ-08	668.62	15-20	02/22/19	NP	9.49	19.78	NA	NA	661.38	661.38
			06/14/19	NP	8.41	19.79	NA	NA	662.46	662.46
			09/26/19	NP	9.09	19.79	NA	NA	661.78	661.78
			02/22/19	NP	5.85	19.50	NA	NA	662.77	662.77
			06/14/19	NP	5.31	19.85	NA	NA	663.31	663.31
			09/26/19	NP	7.01	19.88	NA	NA	661.61	661.61

See Notes on Last Page.

Table 1
On-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
PZ-09	671.91	15-20	03/08/19	NP	10.36	19.75	NA	NA	661.55	661.55
			06/14/19	NP	9.47	19.74	NA	NA	662.44	662.44
			09/26/19	NP	10.02	19.76	NA	NA	661.89	661.89
PZ-10	671.42	15-20	02/22/19	NP	10.39	19.76	NA	NA	661.03	661.03
			06/14/19	NP	9.59	19.77	NA	NA	661.83	661.83
			09/26/19	NP	10.13	19.78	NA	NA	661.29	661.29
PZ-11	671.06	15-20	02/22/19	NP	10.72	19.83	NA	NA	660.34	660.34
			06/14/19	NP	9.52	19.83	NA	NA	661.54	661.54
			09/26/19	NP	10.38	19.83	NA	NA	660.68	660.68
PZ-12	671.29	15-20	02/22/19	NP	11.74	19.65	NA	NA	659.55	659.55
			06/14/19	NP	10.63	19.62	NA	NA	660.66	660.66
			09/26/19	NP	11.20	19.62	NA	NA	660.09	660.09
PZ-13	671.21	15-20	02/22/19	NP	10.46	18.77	NA	NA	660.75	660.75
			06/14/19	NP	9.60	19.73	NA	NA	661.61	661.61
			09/26/19	NP	10.21	18.76	NA	NA	661.00	661.00
PZ-14	670.26	13-18	06/14/19	NP	6.45	17.84	NA	NA	663.81	663.81
			09/26/19	NP	7.81	17.84	NA	NA	662.45	662.45
PZ-15	669.28	13-18	06/14/19	NP	5.56	17.32	NA	NA	663.72	663.72
			09/26/19	NP	7.34	17.28	NA	NA	661.94	661.94

Notes:

Water level measurements collected from top of well casing.

⁽¹⁾ TOC elevation re-surveyed on October 12-13, and/or November 20, 2017 by Geodetic Designs Inc.

⁽²⁾ MW-1 submerged under water during the first quarter of 2018 sampling event.

* Monitoring well TOC could not be re-surveyed due to access.

** Unable to calculate a corrected groundwater elevation due to LNAPL thickness throughout well screen.

Abbreviations:

ft.	feet
ft. amsl	feet above mean sea level
ft. bgs	feet below ground surface
ft. btoc	feet below top of casing
LNAPL	light non-aqueous phase liquid
NA	not applicable
NM	not measured
NP	no product detected
TOC	top of casing

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of EGLE.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-1									MW-2										
			14-19									15.5-20.5										
			4/26/2017	7/28/2017	11/10/2017	5/11/2018	8/14/2018	10/29/2018	03/01/2019	6/11/2019	9/25/2019	4/27/2017	8/3/2017	11/9/2017	2/13/2018	5/10/2018	8/10/2018	10/26/2018	03/01/2019	6/11/2019	9/25/2019	
Semi-volatile Organic Compounds (SVOCs)																						
1,4-Dioxane	µg/l	350	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	1.5 J	1.8 J	4.5	4.4	5.7	5.1	4.9	3.9	5.8	4.9	
Volatile Organic Compounds (VOCs)																						
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	< 100	< 200	
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 130	< 250	< 330	< 330	< 130	< 710	< 250	< 500	NA	NA	
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.33 J	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.37 J	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
2-Butanone (MEK)	µg/l	38,000	< 10	1.0 J	< 10	< 10	< 10	< 10	3.8 J	NA	NA	< 250	< 500	< 670	< 670	< 250	< 1,400	< 500	< 1,000	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	< 10	1.2 J	NA	NA	< 250	< 500	< 670	< 670	< 250	< 1,400	< 500	< 1,000	NA	NA	
Acetone	µg/l	2,100	< 10	4.0 J	< 10	2.8 J	< 10	< 10	28	NA	NA	< 250	< 500	< 670	< 670	< 250	< 1,400	< 500	< 1,000	NA	NA	
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 130	< 250	< 330	< 330	< 130	< 710	< 250	< 500	NA	NA	
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	630	1,200	1,000	1,400	1,700 J	2,300	1,900	2,600	3,400	3,800	
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 130	< 250	< 330	< 330	< 130	< 710	< 250	< 500	NA	NA	
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 50	< 100	< 130	< 130	< 50	< 290	< 100	< 200	NA	NA	
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	
Methyl Acetate	µg/l	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 250	< 500	< 670	< 670	< 250	< 1,400	< 500	< 1,000	NA	NA	
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 250	< 500	< 670	< 670	< 250	< 1,400	< 500	< 1,000	NA	NA	
Methylcyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-1 14-19									MW-2 15.5-20.5									
			4/26/2017	7/28/2017	11/10/2017	5/11/2018	8/14/2018	10/29/2018	03/01/2019	6/11/2019	9/25/2019	4/27/2017	8/3/2017	11/9/2017	2/13/2018	5/10/2018	8/10/2018	10/26/2018	03/01/2019	6/11/2019	9/25/2019
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	< 100	< 200
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 50	< 100	< 130	< 130	< 50	< 290	< 100	< 200	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	200	270	260	390	510	510	530	760	790	840
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 25	< 50	< 67	< 67	< 25	< 140	8.2 J	< 100	< 100	27 J
Vinyl chloride	µg/l	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	200	160	140	210	190	170	190	230	190	200
Gases																					
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																					
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																					
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-3										MW-4									
			14-19										15.5-20.5									
			4/27/2017	8/3/2017	11/9/2017	2/13/2018	5/10/2018	8/7/2018	10/26/2018	03/01/2019	6/11/2019	9/25/2019	4/27/2017	8/3/2017	11/9/2017	2/13/2018	5/10/2018	8/7/2018	10/26/2018	03/01/2019	6/11/2019	9/25/2019
Semi-volatile Organic Compounds (SVOCs)																						
1,4-Dioxane	µg/l	350	0.67 J	0.79 J	0.57 J	< 2.0	0.50 J	1.4 J	1.3 J	1.0 J	1.8 J	1.5 J	1.1 J	0.78 J	< 20	0.38 J	0.76 J	< 200	< 200	< 200	1.9 J	1.8 J
Volatile Organic Compounds (VOCs)																						
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	< 1,000	< 1,700
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5,000	< 5,000	< 5,000	< 8,300	< 5,000 J	< 5,000	< 2,500	< 10,000	NA	NA
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.3	0.21 J	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10,000	< 10,000	< 10,000	< 17,000	< 10,000 J	< 10,000	< 5,000	< 20,000	NA	NA
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10,000	< 10,000	< 10,000	< 17,000	< 10,000 J	< 10,000	< 5,000	< 20,000	NA	NA
Acetone	µg/l	2,100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10,000	< 10,000	< 10,000	< 17,000	< 10,000 J	< 10,000	< 5,000	< 20,000	NA	NA
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5,000	< 5,000	< 5,000	< 8,300	< 5,000 J	< 5,000	< 2,500	< 10,000	NA	NA
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,00							

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-3 14-19										MW-4 15.5-20.5									
			4/27/2017	8/3/2017	11/9/2017	2/13/2018	5/10/2018	8/7/2018	10/26/2018	03/01/2019	6/11/2019	9/25/2019	4/27/2017	8/3/2017	11/9/2017	2/13/2018	5/10/2018	8/7/2018	10/26/2018	03/01/2019	6/11/2019	9/25/2019
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	< 1,000	< 1,700
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2,000	< 2,000	< 2,000	< 3,300	< 2,000 J	< 2,000	< 1,000	< 4,000	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1,200	1,100	850 J	1,100 J	860 J	1,000	1,100	1,000 J	310 J	770 J
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	21,000	18,000	19,000	23,000	23,000 J	31,000	35,000	41,000	13,000	35,000
Vinyl chloride	µg/l	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	570 J	640 J	470 J	< 1,700	610 J	< 1,000	610	1,100 J	< 1,000	670 J
Gases																						
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																						
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																						
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-5 15.5-20.5									MW-7 18-23									
			8/3/2017	11/9/2017	2/13/2018	5/10/2018	8/7/2018	10/26/2018	03/01/2019	6/11/2019	9/27/2019	7/31/2017	11/10/2017	2/12/2018	5/11/2018	8/14/2018	10/29/2018	02/27/2019	6/10/2019	9/25/2019	
Semi-volatile Organic Compounds (SVOCs)																					
1,4-Dioxane	µg/l	350	0.35 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																					
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.26 J	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.36 J	< 1.0	NA	NA	
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.73 J	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Acetone	µg/l	2,100	< 10	< 10	< 10	1.9 J	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	0.58 J	< 1.0	0.39 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Methyl Acetate	µg/l	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Methylcyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-5 15.5-20.5									MW-7 18-23								
			8/3/2017	11/9/2017	2/13/2018	5/10/2018	8/7/2018	10/26/2018	03/01/2019	6/11/2019	9/27/2019	7/31/2017	11/10/2017	2/12/2018	5/11/2018	8/14/2018	10/29/2018	02/27/2019	6/10/2019	9/25/2019
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.18 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/l	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Gases																				
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																				
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																				
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-9 19.5-24.5									MW-10 16.5-21.5									
			7/28/2017	11/10/2017	2/12/2018	5/11/2018	8/14/2018	10/29/2018	03/01/2019	6/10/2019	9/23/2019	4/27/2017	8/4/2017	11/9/2017	2/13/2018	5/10/2018	8/9/2018	11/7/2018	03/01/2019	6/11/2019	9/27/2019
			Semi-volatile Organic Compounds (SVOCs)																		
1,4-Dioxane	µg/l	350	8.6	11	12	3.6	4.3	3.9	3.8	5.2	4.2	5.9	4.5	5.6	4.4	4.4	4.8	5.5	4.5	6.1	5.0
Volatile Organic Compounds (VOCs)																					
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	< 100	< 200
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 250	< 330	< 500	< 1,000	< 500	< 710	< 1,300	< 500	NA	NA
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.28 J	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 500	< 670	< 1,000	< 2,000	< 1,000	< 1,400	< 2,500	< 1,000	NA	NA
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 500	< 670	< 1,000	< 2,000	< 1,000	< 1,400	< 2,500	< 1,000	NA	NA
Acetone	µg/l	2,100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 500	< 670	< 1,000	< 2,000	< 1,000	< 1,400	< 2,500	< 1,000	NA	NA
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 250	< 330	< 500	< 1,000	< 500	< 710	< 1,300	< 500	NA	NA
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	0.29 J	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	< 100	< 200
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 250	< 330	< 500	< 1,000	< 500	< 710	< 1,300	< 500	NA	NA
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 100	< 130	< 200	< 400	< 200	< 290	< 500	< 200	NA	NA
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
Methyl Acetate	µg/l	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 500	< 670	< 1,000	< 2,000	< 1,000	< 1,400	< 2,500	< 1,000	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 500	< 670	< 1,000	< 2,000	< 1,000	< 1,400	< 2,500	< 1,000	NA	NA
Methylcyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-9 19.5-24.5									MW-10 16.5-21.5									
			7/28/2017	11/10/2017	2/12/2018	5/11/2018	8/14/2018	10/29/2018	03/01/2019	6/10/2019	9/23/2019	4/27/2017	8/4/2017	11/9/2017	2/13/2018	5/10/2018	8/9/2018	11/7/2018	03/01/2019	6/11/2019	9/27/2019
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	< 100	< 200
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 100	< 130	< 200	< 400	< 200	< 290	< 500	< 200	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	< 100	< 200
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 67	< 100	< 200	< 100	< 140	< 250	14 J	< 100	< 200
Vinyl chloride	µg/l	2.0	5.5	7.1	4.6	2.2	1.7	1.5	0.94 J	1.2	0.98 J	1,200	2,100	2,000	1,900	3,100	2,300	3,100	3,300	3,600	3,000
Gases																					
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																					
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																					
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-14									MW-15-59D										
			15-20									94-99										
			7/28/2017	11/10/2017	2/12/2018	5/11/2018	8/14/2018	10/29/2018	02/26/2019	6/12/2019	9/23/2019	4/26/2017	8/1/2017	11/15/2017	2/6/2018	5/15/2018	8/9/2018	10/31/2018	03/05/2019	6/13/2019	9/27/2019	
Semi-volatile Organic Compounds (SVOCs)																						
1,4-Dioxane	µg/l	350	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																						
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.36 J	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.23 J	< 1.0	NA	NA	
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Acetone	µg/l	2,100	< 10	< 10	< 10	3.0 J	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	3.3 J	< 10	< 10	< 10	NA	NA	
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	1.6 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	0.31 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	0.86 J	0.58 J	0.62 J	0.76 J	0.69 J	0.43 J	0.34 J	0.62 J	NA	NA	
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Methyl Acetate	µg/l	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Methylcyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	0.62 J	< 1.0	< 1.0	< 1.0	NA	NA	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-14									MW-15-59D									
			15-20									94-99									
			7/28/2017	11/10/2017	2/12/2018	5/11/2018	8/14/2018	10/29/2018	02/26/2019	6/12/2019	9/23/2019	4/26/2017	8/1/2017	11/15/2017	2/6/2018	5/15/2018	8/9/2018	10/31/2018	03/05/2019	6/13/2019	9/27/2019
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	0.35 J	0.46 J	0.30 J	0.31 J	< 1.0	0.17 J	< 1.0	< 1.0	NA	NA
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	0.25 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.28 J	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.13 J	< 1.0	< 1.0
Vinyl chloride	µg/l	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Gases																					
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																					
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																					
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-15-60D										MW-15-61D										
			93-98										88-93										
			4/26/2017	8/1/2017	11/15/2017	2/6/2018	5/11/2018	8/7/2018	10/29/2018	03/05/2019	6/13/2019	9/27/2019	4/26/2017	8/1/2017	11/15/2017	2/6/2018	5/15/2018	8/7/2018	11/1/2018	03/02/2019	6/15/2019	9/28/2019	
Semi-volatile Organic Compounds (SVOCs)																							
1,4-Dioxane	µg/l	350	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																							
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.38 J	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Acetone	µg/l	2,100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	12	< 10	< 10	< 10	NA	NA	
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	0.57 J	< 1.0	< 1.0	< 1.0	< 1.0	0.25 J	< 1.0	< 1.0	NA	NA	
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Carbon Disulfide	µg/l	2,300	0.51 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	0.91 J	0.58 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	0.48 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	0.50 J	< 1.0	< 1.0							

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-15-60D										MW-15-61D									
			93-98										88-93									
			4/26/2017	8/1/2017	11/15/2017	2/6/2018	5/11/2018	8/7/2018	10/29/2018	03/05/2019	6/13/2019	9/27/2019	4/26/2017	8/1/2017	11/15/2017	2/6/2018	5/15/2018	8/7/2018	11/1/2018	03/02/2019	6/15/2019	9/28/2019
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	0.27 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	790	< 1.0	0.33 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	0.28 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/l	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.31 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Gases																						
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																						
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																						
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-18										MW-19							
			13-18										15-20							
			4/21/2017	7/28/2017	11/10/2017	2/14/2018	5/8/2018	8/7/2018	10/29/2018	02/26/2019	6/10/2019	9/25/2019	11/14/2017	2/14/2018	5/14/2018	8/10/2018	10/26/2018	02/28/2019	6/12/2019	9/24/2019
Semi-volatile Organic Compounds (SVOCs)																				
1,4-Dioxane	µg/l	350	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	120	130	140	130	150	170	190	350
Volatile Organic Compounds (VOCs)																				
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	6.3	4.8	3.6	4.7	6.6	5.8	NA	NA
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	NA*	< 5.0	< 5.0	< 5.0	NA	NA
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	0.26 J	< 1.0	< 1.0	NA	NA
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	0.49 J	0.52 J	0.36 J	0.48 J	0.47 J	0.47 J	NA	NA
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.24 J	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	0.34 J	< 1.0	NA	NA
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	1.3 J	< 10	< 10	NA	NA
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	0.87 J	< 10	< 10	NA	NA
Acetone	µg/l	2,100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	3.2 J	5.6 J	< 10	< 10	NA	NA
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	8.9	6.5	1.7	< 1.0	4.1	< 1.0	NA	NA
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.1	0.94 J	0.71 J	1.0	1.6	1.3	0.65 J	0.99 J
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Methyl Acetate	µg/l	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	1.1 J	< 10	< 10	NA	NA
Methylcyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-18										MW-19							
			13-18										15-20							
			4/21/2017	7/28/2017	11/10/2017	2/14/2018	5/8/2018	8/7/2018	10/29/2018	02/26/2019	6/10/2019	9/25/2019	11/14/2017	2/14/2018	5/14/2018	8/10/2018	10/26/2018	02/28/2019	6/12/2019	9/24/2019
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.1	1.0	0.91 J	1.0	0.97 J	0.66 J	0.60 J	0.54 J
Vinyl chloride	µg/l	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.8	1.5	1.3	< 1.0	1.6	1.9	0.73 J	1.2
Gases																				
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																				
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																				
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-20									MW-21							
			13.5-18.5									13.5-18.5							
			7/31/2017	11/10/2017	2/12/2018	5/11/2018	8/9/2018	10/29/2018	02/26/2019	6/12/2019	9/26/2019	2/13/2018	5/15/2018	8/14/2018	10/26/2018	02/26/2019	6/13/2019	9/25/2019	
Semi-volatile Organic Compounds (SVOCs)																			
1,4-Dioxane	µg/l	350	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	25	5.3	6.5	14	18	6.3	58	
Volatile Organic Compounds (VOCs)																			
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	< 710	< 500	
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5,000	< 5,000	< 5,000	< 8,300	< 13,000	NA	NA	
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.17 J	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	1.4 J	< 10	< 10	< 10	NA	NA	< 10,000	< 10,000	1,500 J	< 17,000	< 25,000	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	0.81 J	2.0 J	0.63 J	< 10	0.52 J	NA	NA	< 10,000	< 10,000	830 J	< 17,000	< 25,000	NA	NA	
Acetone	µg/l	2,100	< 10	< 10	2.2 J	3.8 J	6.9 J	< 10	< 10	NA	NA	< 10,000	2,100 J	< 10,000	< 17,000	< 25,000	NA	NA	
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5,000	< 5,000	< 5,000	< 8,300	< 13,000	NA	NA	
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	20,000	18,000	26,000	40,000	25,000	13,000 J	15,000	
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5,000	560 J	< 5,000	< 8,300	< 13,000	NA	NA	
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2,000	< 2,000	< 2,000	< 3,300	< 5,000	NA	NA	
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	
Methyl Acetate	µg/l	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10,000	< 10,000	< 10,000	< 17,000	< 25,000	NA	NA	
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10,000	< 10,000	910 J	< 17,000	< 25,000	NA	NA	
Methylcyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-20 13.5-18.5									MW-21 13.5-18.5						
			7/31/2017	11/10/2017	2/12/2018	5/11/2018	8/9/2018	10/29/2018	02/26/2019	6/12/2019	9/26/2019	2/13/2018	5/15/2018	8/14/2018	10/26/2018	02/26/2019	6/13/2019	9/25/2019
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000 J	< 1,000	< 1,700	< 2,500	NA	NA
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	< 710	< 500
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2,000	< 2,000	< 2,000	< 3,300	< 5,000	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1,000	< 1,000	190 J	< 1,700	< 2,500	< 710	< 500
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	460 J	< 1,000	< 1,000	1,900	570 J	< 710	190 J
Vinyl chloride	µg/l	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5,400	3,700	3,400	7,800	5,600	2,400	3,000
Gases																		
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																		
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																		
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-22										MW-23									
			16.5-21.5										15-20									
			4/25/2017	8/2/2017	11/7/2017	2/6/2018	5/10/2018	8/6/2018	10/30/2018	02/25/2019	6/10/2019	9/19/2019	8/3/2017	11/7/2017	2/6/2018	5/7/2018	8/6/2018	10/30/2018	2/25/2019	6/10/2019	9/24/2019	
Semi-volatile Organic Compounds (SVOCs)																						
1,4-Dioxane	µg/l	350	32	26	49	22	34	19	37	23	40	3.0	0.50 J	< 20	< 20	< 2.0	< 200	< 200	NS	< 2.0 J	< 2.0 J	
Volatile Organic Compounds (VOCs)																						
1,1,1-Trichloroethane	µg/l	200	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
1,1,2,2-Tetrachloroethane	µg/l	35	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
1,1,2-Trichloroethane	µg/l	5.0	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
1,1-Dichloroethane	µg/l	2,500	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
1,1-Dichloroethene	µg/l	7.0	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	< 200	1.6	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	< 1,000	< 2,500	
1,2,3-Trimethylbenzene	µg/l	NS	< 310	< 500	< 250	< 710	< 330	< 250	< 500	< 250	NA	NA	< 5,000	< 10,000	< 5,000	< 500	< 13,000	< 13,000	NS	NA	NA	
1,2,4-Trichlorobenzene	µg/l	70	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
1,2,4-Trimethylbenzene	µg/l	63	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
1,2-Dibromoethane	µg/l	0.05	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
1,2-Dichlorobenzene	µg/l	600	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
1,2-Dichloroethane	µg/l	5.0	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
1,2-Dichloropropane	µg/l	5.0	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
1,3,5-Trimethylbenzene	µg/l	72	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
1,3-Dichlorobenzene	µg/l	19	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
1,4-Dichlorobenzene	µg/l	75	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
2-Butanone (MEK)	µg/l	38,000	< 630	< 1,000	< 500	< 1,400	< 670	< 500	< 1,000	< 500	NA	NA	< 10,000	< 20,000	< 10,000	< 1,000	< 25,000	< 25,000	NS	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 630	< 1,000	< 500	< 1,400	< 670	< 500	< 1,000	< 500	NA	NA	< 10,000	< 20,000	< 10,000	< 1,000	< 25,000	< 25,000	NS	NA	NA	
Acetone	µg/l	2,100	< 630	< 1,000	< 500	< 1,400	< 670	< 500	< 1,000	< 500	NA	NA	< 10,000	< 20,000	< 10,000	< 1,000	< 25,000	< 25,000	NS	NA	NA	
Benzene	µg/l	5.0	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
Bromodichloromethane	µg/l	80	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
Bromoform	µg/l	80	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
Bromomethane	µg/l	29	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
Carbon Disulfide	µg/l	2,300	< 310	< 500	< 250	< 710	< 330	< 250	< 500	< 250	NA	NA	< 5,000	< 10,000	< 5,000	< 500	< 13,000	< 13,000	NS	NA	NA	
Carbon Tetrachloride	µg/l	5.0	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
CFC-11	µg/l	7,300	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
CFC-12	µg/l	4,800	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
Chlorobenzene	µg/l	100	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
Chlorodibromomethane	µg/l	80	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
Chloroethane	µg/l	1,700	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
Chloroform	µg/l	80	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
Chloromethane	µg/l	1,100	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
cis-1,2-Dichloroethene	µg/l	70	130	210	25 J	200	180	310	180 J	190	120 J	390	21,000	78,000	33,000	2,400	43,000	66,000	NS	23,000	43,000	
cis-1,3-Dichloropropene	µg/l	NS	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
Cyclohexane	µg/l	NS	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
Dichloromethane	µg/l	5.0	140 J	< 500	< 250	120 J	< 330	< 250	< 500	< 250	NA	NA	< 5,000	< 10,000	750 J	< 500	< 13,000	< 13,000	NS	NA	NA	
Diethyl ether	µg/l	10	< 130	< 200	< 100	< 290	< 130	< 100	< 200	< 100	NA	NA	< 2,000	< 4,000	< 2,000	< 200	< 5,000	< 5,000	NS	NA	NA	
Ethylbenzene	µg/l	74	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
Isopropylbenzene	µg/l	2,300	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA	
Methyl Acetate	µg/l	NS	< 630	< 1,000	< 500	< 1,400	< 670	< 500	< 1,000	< 500	NA	NA	< 10,000	< 20,000	< 10,000	< 1,000	< 25,000	< 25,000	NS	NA	NA	
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 630	< 1,000	< 500	< 1,400	< 670	< 500	< 1,000	< 500	NA	NA	< 10,000	< 20,000	< 10,000	< 1,000	< 25,000	< 25,000	NS	NA	NA	
Methylcyclohexane	µg/l	NS	< 63																			

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-22 16.5-21.5										MW-23 15-20								
			4/25/2017	8/2/2017	11/7/2017	2/6/2018	5/10/2018	8/6/2018	10/30/2018	02/25/2019	6/10/2019	9/19/2019	8/3/2017	11/7/2017	2/6/2018	5/7/2018	8/6/2018	10/30/2018	2/25/2019	6/10/2019	9/24/2019
Methyl-tert-butylether	µg/l	40	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA
Styrene (Monomer)	µg/l	100	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA
Tetrachloroethene	µg/l	5.0	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	< 200	< 1.0	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	< 1,000	< 2,500
Toluene	µg/l	790	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA
Total Xylenes	µg/l	280	< 130	< 200	< 100	< 290	< 130	< 100	< 200	< 100	NA	NA	< 2,000	< 4,000	< 2,000	< 200	< 5,000	< 5,000	NS	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	< 200	2.5	1,200	4,100	1,800	180	2,300 J	3,000	NS	1,000	1,600 J
trans-1,3-Dichloropropene	µg/l	NS	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NS	NA	NA
Trichloroethene	µg/l	5.0	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	< 200	0.25 J	5,300	25,000	11,000	1,000	12,000	18,000	NS	7,000	11,000
Vinyl chloride	µg/l	2.0	2,300	2,100	1,600	1,500	2,400	1,300	2,600 J	1,700	2,600	830	1,100	2,400	820 J	77 J	< 2,500	1,600 J	NS	670 J	1,600 J
Gases																					
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																					
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																					
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-24										MW-25										
			19-24										16-21										
			4/26/2017	8/2/2017	11/10/2017	2/14/2018	5/14/2018	8/14/2018	10/29/2018	03/01/2019	6/11/2019	9/23/2019	4/21/2017	8/2/2017	11/14/2017	2/13/2018	5/9/2018	8/13/2018	10/29/2018	02/27/2019	6/10/2019	9/25/2019	
Semi-volatile Organic Compounds (SVOCs)																							
1,4-Dioxane	µg/l	350	< 2.0	0.26 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.75 J	1.1 J	0.86 J	0.68 J	0.99 J	1.9 J	3.2	4.5	4.3	4.9	
Volatile Organic Compounds (VOCs)																							
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.29 J	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	< 10	1.7 J	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	0.77 J	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Acetone	µg/l	2,100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.16 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-24										MW-25									
			19-24										16-21									
			4/26/2017	8/2/2017	11/10/2017	2/14/2018	5/14/2018	8/14/2018	10/29/2018	03/01/2019	6/11/2019	9/23/2019	4/21/2017	8/2/2017	11/14/2017	2/13/2018	5/9/2018	8/13/2018	10/29/2018	02/27/2019	6/10/2019	9/25/2019
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/l	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Gases																						
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																						
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																						
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-26 4.5-14.5								MW-28 2-12									
			8/4/2017	11/14/2017	5/15/2018	8/9/2018	10/26/2018	02/28/2019	6/13/2019	9/25/2019	8/3/2017	11/8/2017	2/7/2018	5/15/2018	8/13/2018	10/31/2018	02/26/2019	6/11/2019	9/24/2019	
Semi-volatile Organic Compounds (SVOCs)																				
1,4-Dioxane	µg/l	350	0.25 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.44 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.93 J	
Volatile Organic Compounds (VOCs)																				
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	28	26	25	24	37	35	15	NA	NA	
1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.23 J	NA	NA	14	12	10	13	15	15	7.9	NA	NA
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.87 J	0.71 J	1.6	0.90 J	0.57 J	0.33 J	0.43 J	0.40 J	1.8	1.2
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	NA	NA	
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 20	< 10	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 20	< 10	NA	NA	
Acetone	µg/l	2,100	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 20	< 10	NA	NA	
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	NA	NA	
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.1	0.91 J	0.50 J	0.43 J	0.86 J	0.51 J	0.24 J	0.22 J	0.98 J	
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	3.1 J	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	NA	NA	
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	< 2.0	NA	NA	
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	
Methyl Acetate	µg/l	NS	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 20	< 10	NA	NA	
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 20	< 10	NA	NA	
Methylcyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-26 4.5-14.5								MW-28 2-12								
			8/4/2017	11/14/2017	5/15/2018	8/9/2018	10/26/2018	02/28/2019	6/13/2019	9/25/2019	8/3/2017	11/8/2017	2/7/2018	5/15/2018	8/13/2018	10/31/2018	02/26/2019	6/11/2019	9/24/2019
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 2.0	< 1.0	NA	NA
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.22 J	< 2.0	< 1.0	0.16 J	0.27 J
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	< 2.0	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.68 J	0.59 J	0.45 J	0.51 J	0.66 J	0.70 J	0.30 J	0.43 J	0.64 J
Vinyl chloride	µg/l	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0.33 J	< 1.0	< 1.0
Gases																			
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																			
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																			
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-29										MW-30										
			5-15										19-24										
			4/26/2017	8/4/2017	11/14/2017	2/14/2018	5/14/2018	8/9/2018	10/26/2018	02/28/2019	6/12/2019	9/25/2019	4/25/2017	7/27/2017	11/9/2017	2/13/2018	5/8/2018	8/10/2018	11/1/2018	03/02/2019	6/15/2019	9/28/2019	
Semi-volatile Organic Compounds (SVOCs)																							
1,4-Dioxane	µg/l	350	1.4 J	3.8	9.0	0.90 J	0.47 J	< 2.0	4.3	< 2.0	< 2.0	0.92 J	10	11	13	12	14	15	15	15	13	14	
Volatile Organic Compounds (VOCs)																							
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	NA*	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.27 J	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.18 J	NA	NA	
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Acetone	µg/l	2,100	< 10	< 10	< 10	< 10	4.4 J	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.20 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	3.4 J	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Methyl Acetate	µg/l	NS	< 10	< 10	< 10	< 10																	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-29										MW-30									
			5-15										19-24									
			4/26/2017	8/4/2017	11/14/2017	2/14/2018	5/14/2018	8/9/2018	10/26/2018	02/28/2019	6/12/2019	9/25/2019	4/25/2017	7/27/2017	11/9/2017	2/13/2018	5/8/2018	8/10/2018	11/1/2018	03/02/2019	6/15/2019	9/28/2019
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/l	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.20 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Gases																						
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.50	NA	0.31 J	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.50	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	65	NA	360	NA	NA	NA	NA	NA	NA	NA
Other																						
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.6	NA	2.5	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	< 0.10	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	52	NA	53	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1	NA	2.4	NA	NA	NA	NA	NA	NA	NA
Metals																						
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	NA	3,700	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	630	NA	3,700	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	77	NA	150	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	70	NA	150	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-31										MW-32										
			17-22										18-23										
			4/21/2017	7/28/2017	11/10/2017	2/14/2018	5/8/2018	8/10/2018	11/1/2018	03/02/2019	6/15/2019	9/28/2019	7/28/2017	11/7/2017	2/12/2018	5/8/2018	8/7/2018	11/7/2018	02/28/2019	6/11/2019	9/24/2019		
Semi-volatile Organic Compounds (SVOCs)																							
1,4-Dioxane	µg/l	350	< 2.0	0.47 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.28 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0		
Volatile Organic Compounds (VOCs)																							
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA		
1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA		
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	1.1	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA		
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA		
Acetone	µg/l	2,100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA		
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA		
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.31 J	0.37 J	0.50 J	0.32 J	0.38 J	0.48 J	0.43 J	0.48 J		
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA		
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA		
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA		
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Methyl Acetate	µg/l	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA		
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA		
Methylcyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA		

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-31										MW-32								
			17-22										18-23								
			4/21/2017	7/28/2017	11/10/2017	2/14/2018	5/8/2018	8/10/2018	11/1/2018	03/02/2019	6/15/2019	9/28/2019	7/28/2017	11/7/2017	2/12/2018	5/8/2018	8/7/2018	11/7/2018	02/28/2019	6/11/2019	9/24/2019
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/l	2.0	< 1.0	0.68 J	0.84 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.67 J	< 1.0	< 1.0	< 1.0	0.38 J	0.39 J	0.35 J	0.43 J
Gases																					
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																					
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																					
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-33									MW-34											
			14-19									16.5-21.5											
			7/28/2017	11/8/2017	2/14/2018	5/8/2018	8/9/2018	11/2/2018	02/27/2019	6/11/2019	9/25/2019	4/24/2017	7/27/2017	11/9/2017	2/13/2018	5/8/2018	8/10/2018	11/1/2018	03/02/2019	6/15/2019	9/28/2019		
Semi-volatile Organic Compounds (SVOCs)																							
1,4-Dioxane	µg/l	350	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	8.3	6.1	6.6	7.4	4.9	7.6	6.7	6.9	5.6	7.2		
Volatile Organic Compounds (VOCs)																							
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA		
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.17 J	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.32 J	NA	NA		
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA		
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA		
Acetone	µg/l	2,100	< 10	< 10	< 10	2.7 J	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA		
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA		
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.37 J	0.35 J	< 1.0	< 1.0	0.33 J	0.44 J	0.32 J	< 1.0	0.64 J		
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA		
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA		
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Methyl Acetate	µg/l	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA		
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA		
Methylcyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-33 14-19									MW-34 16.5-21.5									
			7/28/2017	11/8/2017	2/14/2018	5/8/2018	8/9/2018	11/2/2018	02/27/2019	6/11/2019	9/25/2019	4/24/2017	7/27/2017	11/9/2017	2/13/2018	5/8/2018	8/10/2018	11/1/2018	03/02/2019	6/15/2019	9/28/2019
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/l	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.52 J	1.5	2.0	0.97 J	0.87 J	1.1	1.2	0.85 J	0.89 J	2.2
Gases																					
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																					
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																					
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-35									MW-36									
			19.5-24.5									20-25									
			7/27/2017	11/7/2017	2/14/2018	5/9/2018	8/10/2018	11/1/2018	03/02/2019	6/15/2019	9/28/2019	7/28/2017	11/10/2017	2/15/2018	5/14/2018	8/14/2018	10/29/2018	03/01/2019	6/11/2019	9/25/2019	
Semi-volatile Organic Compounds (SVOCs)																					
1,4-Dioxane	µg/l	350	4.9	4.6	4.3	4.7	4.3	4.5	5.8	5.2	5.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																					
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.26 J	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	1.7 J	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	0.89 J	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Acetone	µg/l	2,100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0.32 J	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Methyl Acetate	µg/l	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 10	< 10	< 10	< 10	1.1 J	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Methylcyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-35 19.5-24.5									MW-36 20-25								
			7/27/2017	11/7/2017	2/14/2018	5/9/2018	8/10/2018	11/1/2018	03/02/2019	6/15/2019	9/28/2019	7/28/2017	11/10/2017	2/15/2018	5/14/2018	8/14/2018	10/29/2018	03/01/2019	6/11/2019	9/25/2019
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.14 J	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.19 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.11 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/l	2.0	3.5	2.4	4.5	7.2	3.0	1.8	4.1	6.7	2.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Gases																				
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																				
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																				
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-37									MW-38										
			18-23									15-20										
			8/1/2017	11/10/2017	2/12/2018	5/10/2018	8/9/2018	10/31/2018	02/27/2019	6/12/2019	9/25/2019	4/26/2017	7/28/2017	11/8/2017	2/15/2018	5/8/2018	8/9/2018	11/1/2018	02/27/2019	6/11/2019	9/25/2019	
Semi-volatile Organic Compounds (SVOCs)																						
1,4-Dioxane	µg/l	350	0.37 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																						
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.17 J	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Acetone	µg/l	2,100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Methyl Acetate	µg/l	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Methylcyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-37									MW-38									
			18-23									15-20									
			8/1/2017	11/10/2017	2/12/2018	5/10/2018	8/9/2018	10/31/2018	02/27/2019	6/12/2019	9/25/2019	4/26/2017	7/28/2017	11/8/2017	2/15/2018	5/8/2018	8/9/2018	11/1/2018	02/27/2019	6/11/2019	9/25/2019
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/l	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Gases																					
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																					
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																					
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-39										MW-40							
			20-25										20-25							
			4/26/2017	7/28/2017	11/7/2017	2/15/2018	5/8/2018	8/7/2018	11/1/2018	02/28/2019	6/11/2019	9/24/2019	7/28/2017	11/15/2017	5/8/2018	8/10/2018	11/1/2018	2/25/2019	6/15/2019	9/28/2019
Semi-volatile Organic Compounds (SVOCs)																				
1,4-Dioxane	µg/l	350	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NS	< 2.0	< 2.0
Volatile Organic Compounds (VOCs)																				
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	< 1.0	< 1.0
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NS	NA	NA
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	NS	NA	NA
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	NS	NA	NA
Acetone	µg/l	2,100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	NS	NA	NA
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NS	NA	NA
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.7	3.2	2.3 J	2.4	2.6	NS	2.2	2.8
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NS	NA	NA
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NS	NA	NA
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Methyl Acetate	µg/l	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	NS	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	NS	NA	NA
Methylcyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-39										MW-40							
			20-25										20-25							
			4/26/2017	7/28/2017	11/7/2017	2/15/2018	5/8/2018	8/7/2018	11/1/2018	02/28/2019	6/11/2019	9/24/2019	7/28/2017	11/15/2017	5/8/2018	8/10/2018	11/1/2018	2/25/2019	6/15/2019	9/28/2019
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	< 1.0	< 1.0
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NS	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.41 J	0.48 J	0.34 J	0.37 J	0.39 J	NS	0.37 J	0.43 J
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	< 1.0	< 1.0
Vinyl chloride	µg/l	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.77 J	1.8	1.3 J	0.54 J	1.4	NS	0.26 J	0.90 J
Gases																				
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																				
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																				
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-41										MW-42									
			16-21										16-21									
			4/24/2017	7/27/2017	11/9/2017	2/13/2018	5/8/2018	8/10/2018	11/1/2018	03/02/2019	6/15/2019	9/28/2019	4/24/2017	7/27/2017	11/9/2017	2/13/2018	5/9/2018	8/10/2018	11/1/2018	03/02/2019	6/15/2019	9/28/2019
Semi-volatile Organic Compounds (SVOCs)																						
1,4-Dioxane	µg/l	350	1.9 J	1.4 J	2.2	0.77 J	0.75 J	1.6 J	1.9 J	1.4 J	1.3 J	1.2 J	1.3 J	1.8 J	2.4	1.8 J	2.2	2.3	2.6	3.1	2.5	3.0
Volatile Organic Compounds (VOCs)																						
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.21 J	< 1.0	0.20 J	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA
Acetone	µg/l	2,100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
cis-1,2-Dichloroethene	µg/l	70	1.9	1.8	2.3	2.1	2.6	2.5	2.9	3.1	2.0	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Methyl Acetate	µg/l	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA
Methylcyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-41										MW-42									
			16-21										16-21									
			4/24/2017	7/27/2017	11/9/2017	2/13/2018	5/8/2018	8/10/2018	11/1/2018	03/02/2019	6/15/2019	9/28/2019	4/24/2017	7/27/2017	11/9/2017	2/13/2018	5/9/2018	8/10/2018	11/1/2018	03/02/2019	6/15/2019	9/28/2019
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.34 J	0.35 J	0.42 J	< 1.0	0.24 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.13 J	< 1.0	< 1.0
Vinyl chloride	µg/l	2.0	3.2	1.9	2.4	2.1	5.3	3.0	2.0	3.2	1.9	1.5	0.81 J	0.99 J	1.0	0.81 J	0.99 J	0.60 J	0.60 J	0.70 J	0.67 J	0.92 J
Gases																						
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																						
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																						
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-43										MW-44									
			17-22										16-21									
			4/27/2017	7/27/2017	11/9/2017	2/13/2018	5/9/2018	8/10/2018	11/1/2018	03/02/2019	6/15/2019	9/28/2019	4/25/2017	8/2/2017	11/7/2017	2/6/2018	5/14/2018	8/13/2018	10/30/2018	02/25/2019	6/11/2019	9/19/2019
Semi-volatile Organic Compounds (SVOCs)																						
1,4-Dioxane	µg/l	350	3.6	3.5	3.5	2.2	2.8	3.3	4.0	3.3	2.7	4.4	12	7.1	12	9.0	11	9.5	2.7	5.7	14	14
Volatile Organic Compounds (VOCs)																						
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	< 20	< 1.0
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 31	< 50	< 100	< 33	< 67	< 100	< 100	< 100	NA	NA
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 63	< 100	< 200	< 67	< 130	< 200	< 200	< 200	NA	NA
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 63	< 100	< 200	< 67	< 130	< 200	< 200	< 200	NA	NA
Acetone	µg/l	2,100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 63	< 100	< 200	< 67	< 130	< 200	< 200	< 200	NA	NA
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 31	< 50	< 100	< 33	< 67	< 100	< 100	< 100	NA	NA
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	< 20	< 1.0
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	8.3 J	< 50	18 J	4.1 J	9.7 J	< 100	< 100	< 100	NA	NA
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 13	< 20	< 40	< 13	< 27	< 40	< 40	< 40	NA	NA
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
Methyl Acetate	µg/l	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 63	< 100	< 200	< 67	< 130	< 200	< 200	< 200	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 10	< 10	< 10	< 10	< 10	< 10	&lt													

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-43										MW-44									
			17-22										16-21									
			4/27/2017	7/27/2017	11/9/2017	2/13/2018	5/9/2018	8/10/2018	11/1/2018	03/02/2019	6/15/2019	9/28/2019	4/25/2017	8/2/2017	11/7/2017	2/6/2018	5/14/2018	8/13/2018	10/30/2018	02/25/2019	6/11/2019	9/19/2019
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	< 20	< 1.0
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 13	< 20	< 40	< 13	< 27	< 40	< 40	< 40	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	< 20	< 1.0
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	< 20	< 1.0
Vinyl chloride	µg/l	2.0	8.4	3.0	2.2	8.0	6.4 J	1.0	0.71 J	3.4	1.5	< 1.0	230	380	520	210	270	240	240	180	180	270
Gases																						
Ethane	µg/l	NS	0.48 J	NA	0.74 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	< 0.50	NA	0.27 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	190	NA	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																						
Carbon, Dissolved	mg/l	NS	4.4	NA	4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	< 0.50	NA	< 0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	220	NA	260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	4.0	NA	4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																						
Iron, Dissolved	µg/l	300	1,700	NA	2,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	2,500	NA	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	210	NA	190	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	210	NA	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-45										MW-46										
			15-20										16-21										
			4/24/2017	8/1/2017	11/13/2017	2/12/2018	5/8/2018	8/9/2018	11/2/2018	02/26/2019	6/11/2019	9/27/2019	4/24/2017	7/31/2017	11/13/2017	2/12/2018	5/14/2018	8/9/2018	11/2/2018	02/26/2019	6/11/2019	9/25/2019	
Semi-volatile Organic Compounds (SVOCs)																							
1,4-Dioxane	µg/l	350	4.1	2.5	< 2.0	< 2.0	0.40 J	1.0 J	1.1 J	< 2.0	0.94 J	< 2.0	21	0.83 J	3.7	11	13	8.5	7.0	3.0	11	4.8	
Volatile Organic Compounds (VOCs)																							
1,1,1-Trichloroethane	µg/l	200	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2,2-Tetrachloroethane	µg/l	35	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-Trichloroethane	µg/l	5.0	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethane	µg/l	2,500	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	1.9 J	2.8	3.6	2.4	1.0 J	1.3	0.80 J	0.32 J	NA	NA	
1,1-Dichloroethene	µg/l	7.0	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	< 25	< 25	< 5.0	0.78 J	0.90 J	0.46 J	< 1.7	< 1.0	< 1.0	< 1.0	< 3.3	< 1.0	
1,2,3-Trimethylbenzene	µg/l	NS	< 2,500	< 2,500	< 330	< 500	< 330	< 170	< 50	< 83	NA	NA	< 25	< 5.0	< 13	< 5.0	< 8.4	< 5.0	< 5.0	< 5.0	NA	NA	
1,2,4-Trichlorobenzene	µg/l	70	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
1,2,4-Trimethylbenzene	µg/l	63	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromoethane	µg/l	0.05	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichlorobenzene	µg/l	600	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloroethane	µg/l	5.0	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	0.55 J	< 1.7	0.57 J	0.21 J	< 1.0	NA	NA	
1,2-Dichloropropane	µg/l	5.0	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
1,3,5-Trimethylbenzene	µg/l	72	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
1,3-Dichlorobenzene	µg/l	19	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	0.21 J	< 1.0	NA	NA	
1,4-Dichlorobenzene	µg/l	75	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
2-Butanone (MEK)	µg/l	38,000	< 5,000	< 5,000	< 670	< 1,000	< 670	< 330	< 100	< 170	NA	NA	< 50	< 10	< 25	< 10	< 17	< 10	< 10	< 10	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 5,000	< 5,000	< 670	< 1,000	< 670	< 330	< 100	< 170	NA	NA	< 50	< 10	< 25	< 10	< 17	< 10	< 10	< 10	NA	NA	
Acetone	µg/l	2,100	< 5,000	< 5,000	< 670	< 1,000	< 670	< 330	< 100	< 170	NA	NA	< 50	< 10	< 25	< 10	< 17	< 10	< 10	< 10	NA	NA	
Benzene	µg/l	5.0	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
Bromodichloromethane	µg/l	80	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
Bromoform	µg/l	80	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
Bromomethane	µg/l	29	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
Carbon Disulfide	µg/l	2,300	< 2,500	< 2,500	< 330	< 500	< 330	< 170	< 50	< 83	NA	NA	< 25	< 5.0	< 13	< 5.0	< 8.4	< 5.0	< 5.0	< 5.0	NA	NA	
Carbon Tetrachloride	µg/l	5.0	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-11	µg/l	7,300	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-12	µg/l	4,800	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorobenzene	µg/l	100	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorodibromomethane	µg/l	80	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroethane	µg/l	1,700	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroform	µg/l	80	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
Chloromethane	µg/l	1,100	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
cis-1,2-Dichloroethene	µg/l	70	10,000	8,100	2,100	1,800	1,200	1,000	640	340	310	160	21	15	22	14	6.0	11	4.6	1.4	4.0	5.0	
cis-1,3-Dichloropropene	µg/l	NS	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
Cyclohexane	µg/l	NS	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
Dichloromethane	µg/l	5.0	330 J	< 2,500	< 330	< 500	< 330	< 170	< 50	< 83	NA	NA	4.1 J	< 5.0	< 13	< 5.0	< 8.4	< 5.0	< 5.0	< 5.0	NA	NA	
Diethyl ether	µg/l	10	< 1,000	< 1,000	< 130	< 200	< 130	< 67	5.0 J	< 33	NA	NA	< 10	< 2.0	< 5.0	< 2.0	< 3.3	< 2.0	< 2.0	< 2.0	NA	NA	
Ethylbenzene	µg/l	74	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
Isopropylbenzene	µg/l	2,300	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	
Methyl Acetate	µg/l	NS	< 5,000	< 5,000	< 670	< 1,000	< 670	< 330	< 100	< 170	NA	NA	< 50	< 10	< 25	< 10	< 17	< 10	< 10	< 10	NA	NA	
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 5,000	< 5,000	< 670	< 1,000	< 670	< 330	< 100	< 170	NA	NA	< 50	< 10	< 25	< 10	< 17	< 10	< 10	< 10	NA	NA	
Methylcyclohexane	µg/l	NS	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17													

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-45										MW-46									
			15-20										16-21									
			4/24/2017	8/1/2017	11/13/2017	2/12/2018	5/8/2018	8/9/2018	11/2/2018	02/26/2019	6/11/2019	9/27/2019	4/24/2017	7/31/2017	11/13/2017	2/12/2018	5/14/2018	8/9/2018	11/2/2018	02/26/2019	6/11/2019	9/25/2019
Methyl-tert-butylether	µg/l	40	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA
Styrene (Monomer)	µg/l	100	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	7.9	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA
Tetrachloroethene	µg/l	5.0	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	< 25	< 25	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 3.3	< 1.0
Toluene	µg/l	790	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA
Total Xylenes	µg/l	280	< 1,000	< 1,000	< 130	< 200	< 130	< 67	< 20	< 33	NA	NA	< 10	< 2.0	< 5.0	< 2.0	< 3.3	< 2.0	< 2.0	< 2.0	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 500	< 500	< 67	< 100	< 67	< 33	6.5 J	< 17	< 25	< 25	1.6 J	2.6	2.7	1.7	0.86 J	1.2	0.56 J	0.20 J	< 3.3	0.53 J
trans-1,3-Dichloropropene	µg/l	NS	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA
Trichloroethene	µg/l	5.0	< 500	< 500	< 67	< 100	< 67	< 33	2.7 J	< 17	< 25	< 25	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 3.3	< 1.0
Vinyl chloride	µg/l	2.0	7,600	5,400	1,500	1,200	1,400	800	420	380	540	310	150	13	57	38	30	66	32	17	87	20
Gases																						
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																						
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																						
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-47									MW-48										
			16-21									17-22										
			4/24/2017	7/31/2017	11/10/2017	5/10/2018	8/9/2018	10/25/2018	02/28/2019	6/12/2019	9/25/2019	4/21/2017	8/1/2017	11/14/2017	2/12/2018	5/15/2018	8/6/2018	10/25/2018	03/04/2019	6/13/2019	9/20/2019	
Semi-volatile Organic Compounds (SVOCs)																						
1,4-Dioxane	µg/l	350	0.72 J	0.62 J	0.52 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	9.5	2.1	7.7	12	6.2	6.5	1.6 J	< 2.0	5.3	
Volatile Organic Compounds (VOCs)																						
1,1,1-Trichloroethane	µg/l	200	< 5.0	2.2 J	< 10	1.9 J	2.0	3.1 J	2.2 J	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2,2-Tetrachloroethane	µg/l	35	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-Trichloroethane	µg/l	5.0	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethane	µg/l	2,500	3.7 J	3.5 J	4.6 J	2.9 J	4.0	5.1	4.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethene	µg/l	7.0	< 5.0	< 4.0	< 10	< 5.0 J	0.43 J	< 5.0	< 2.5	< 4.0	0.59 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,3-Trimethylbenzene	µg/l	NS	< 25	< 20	< 50	< 25 J	< 8.4	< 25	< 13	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
1,2,4-Trichlorobenzene	µg/l	70	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2,4-Trimethylbenzene	µg/l	63	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromoethane	µg/l	0.05	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichlorobenzene	µg/l	600	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloroethane	µg/l	5.0	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloropropane	µg/l	5.0	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3,5-Trimethylbenzene	µg/l	72	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3-Dichlorobenzene	µg/l	19	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.27 J	< 1.0	NA	NA	
1,4-Dichlorobenzene	µg/l	75	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
2-Butanone (MEK)	µg/l	38,000	< 50	< 40	< 100	< 50 J	< 17	< 50	< 25	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	1.5 J	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 50	< 40	< 100	< 50 J	< 17	< 50	< 25	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Acetone	µg/l	2,100	< 50	< 40	< 100	< 50 J	< 17	< 50	< 25	NA	NA	< 10	< 10	5.1 J	< 10	3.8 J	< 10	< 10	8.4 J	NA	NA	
Benzene	µg/l	5.0	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromodichloromethane	µg/l	80	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromoform	µg/l	80	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromomethane	µg/l	29	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Carbon Disulfide	µg/l	2,300	< 25	< 20	< 50	< 25 J	< 8.4	< 25	< 13	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Carbon Tetrachloride	µg/l	5.0	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-11	µg/l	7,300	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-12	µg/l	4,800	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorobenzene	µg/l	100	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorodibromomethane	µg/l	80	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroethane	µg/l	1,700	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroform	µg/l	80	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloromethane	µg/l	1,100	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
cis-1,2-Dichloroethene	µg/l	70	69	69	79	49 J	55	48	32	25	32	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,3-Dichloropropene	µg/l	NS	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Cyclohexane	µg/l	NS	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Dichloromethane	µg/l	5.0	3.4 J	< 20	< 50	< 25 J	< 8.4	< 25	< 13	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Diethyl ether	µg/l	10	< 10	< 8.0	< 20	< 10 J	< 3.3	< 10	< 5.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	
Ethylbenzene	µg/l	74	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Isopropylbenzene	µg/l	2,300	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Methyl Acetate	µg/l	NS	< 50	< 40	< 100	< 50 J	< 17	< 50	< 25	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 50	< 40	< 100	< 50 J	< 17	< 50	< 25	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Methylcyclohexane	µg/l	NS	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-47									MW-48									
			16-21									17-22									
			4/24/2017	7/31/2017	11/10/2017	5/10/2018	8/9/2018	10/25/2018	02/28/2019	6/12/2019	9/25/2019	4/21/2017	8/1/2017	11/14/2017	2/12/2018	5/15/2018	8/6/2018	10/25/2018	03/04/2019	6/13/2019	9/20/2019
Methyl-tert-butylether	µg/l	40	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	NA	NA
Styrene (Monomer)	µg/l	100	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Tetrachloroethene	µg/l	5.0	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	790	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Total Xylenes	µg/l	280	< 10	< 8.0	< 20	< 10 J	< 3.3	< 10	< 5.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA
trans-1,2-Dichloroethene	µg/l	100	7.1	8.6	9.3 J	6.5 J	7.2	7.1	5.4	5.3	5.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	µg/l	NS	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Trichloroethene	µg/l	5.0	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/l	2.0	120	110	220	88 J	59	100	44	120	94	0.85 J	11	5.2	3.8	7.4	5.3	6.6	0.24 J	< 1.0	1.6
Gases																					
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,000	NA	NA	NA	NA
Other																					
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																					
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-49									MW-50											
			12.5-17.5									16-21											
			4/21/2017	7/28/2017	2/13/2018	5/11/2018	8/14/2018	10/30/2018	02/27/2019	6/11/2019	9/27/2019	4/21/2017	7/31/2017	11/13/2017	2/12/2018	5/9/2018	8/6/2018	10/24/2018	02/27/2019	6/12/2019	9/20/2019		
Semi-volatile Organic Compounds (SVOCs)																							
1,4-Dioxane	µg/l	350	12	9.4	7.0	5.5	5.0	5.4	8.1	6.1	8.9	1.5 J	2.2	0.68 J	0.78 J	2.8	1.7 J	2.8	3.6	3.3	3.1		
Volatile Organic Compounds (VOCs)																							
1,1,1-Trichloroethane	µg/l	200	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
1,1,2,2-Tetrachloroethane	µg/l	35	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
1,1,2-Trichloroethane	µg/l	5.0	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
1,1-Dichloroethane	µg/l	2,500	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	0.48 J	< 5.0	< 6.7	NA	NA		
1,1-Dichloroethene	µg/l	7.0	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	< 710	< 2,500	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	0.26 J	< 5.0	< 6.7	< 1.0	< 1.0		
1,2,3-Trimethylbenzene	µg/l	NS	< 10,000	< 5,000	< 8,300	< 8,300	< 2,500	< 5,000	< 13,000	NA	NA	< 25	< 20	< 25	< 25	< 25	< 5.0	< 25	< 33	NA	NA		
1,2,4-Trichlorobenzene	µg/l	70	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
1,2,4-Trimethylbenzene	µg/l	63	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
1,2-Dibromoethane	µg/l	0.05	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
1,2-Dichlorobenzene	µg/l	600	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
1,2-Dichloroethane	µg/l	5.0	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
1,2-Dichloropropane	µg/l	5.0	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
1,3,5-Trimethylbenzene	µg/l	72	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
1,3-Dichlorobenzene	µg/l	19	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
1,4-Dichlorobenzene	µg/l	75	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
2-Butanone (MEK)	µg/l	38,000	< 20,000	< 10,000	< 17,000	< 17,000	< 5,000	< 10,000	< 25,000	NA	NA	< 50	< 40	< 50	< 50	< 50	< 10	< 50	< 67	NA	NA		
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 20,000	< 10,000	< 17,000	< 17,000	< 5,000	< 10,000	< 25,000	NA	NA	< 50	< 40	< 50	< 50	< 50	< 10	< 50	< 67	NA	NA		
Acetone	µg/l	2,100	< 20,000	< 10,000	< 17,000	3,900 J	< 5,000	< 10,000	< 25,000	NA	NA	< 50	< 40	< 50	< 50	< 50	< 10	< 50	< 67	NA	NA		
Benzene	µg/l	5.0	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
Bromodichloromethane	µg/l	80	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
Bromoform	µg/l	80	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
Bromomethane	µg/l	29	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
Carbon Disulfide	µg/l	2,300	< 10,000	< 5,000	< 8,300	< 8,300	< 2,500	< 5,000	< 13,000	NA	NA	< 25	< 20	< 25	< 25	< 25	< 5.0	< 25	< 33	NA	NA		
Carbon Tetrachloride	µg/l	5.0	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
CFC-11	µg/l	7,300	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
CFC-12	µg/l	4,800	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
Chlorobenzene	µg/l	100	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
Chlorodibromomethane	µg/l	80	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
Chloroethane	µg/l	1,700	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
Chloroform	µg/l	80	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
Chloromethane	µg/l	1,100	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
cis-1,2-Dichloroethene	µg/l	70	43,000	29,000	20,000	17,000	15,000	22,000	37,000	19,000	28,000	13	15	23	22	12	17	16	20	9.4	5.2		
cis-1,3-Dichloropropene	µg/l	NS	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
Cyclohexane	µg/l	NS	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		
Dichloromethane	µg/l	5.0	1,100 J	< 5,000	< 8,300	940 J	< 2,500	< 5,000	< 13,000	NA	NA	< 25	< 20	< 25	3.5 J	< 25	< 5.0	< 25	< 33	NA	NA		
Diethyl ether	µg/l	10	< 4,000	< 2,000	< 3,300	< 3,300	< 1,000	< 2,000	< 5,000	NA	NA	< 10	< 8.0	< 10	< 10	< 10	< 2.0	< 10	< 13	NA	NA		
Ethylbenzene	µg/l	74	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA		

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-49									MW-50									
			12.5-17.5									16-21									
			4/21/2017	7/28/2017	2/13/2018	5/11/2018	8/14/2018	10/30/2018	02/27/2019	6/11/2019	9/27/2019	4/21/2017	7/31/2017	11/13/2017	2/12/2018	5/9/2018	8/6/2018	10/24/2018	02/27/2019	6/12/2019	9/20/2019
Methyl-tert-butylether	µg/l	40	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA
Styrene (Monomer)	µg/l	100	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA
Tetrachloroethene	µg/l	5.0	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	< 710	< 2,500	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	< 1.0	< 1.0
Toluene	µg/l	790	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA
Total Xylenes	µg/l	280	< 4,000	< 2,000	< 3,300	< 3,300	< 1,000	< 2,000	< 5,000	NA	NA	< 10	< 8.0	< 10	< 10	< 10	< 2.0	< 10	< 13	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 2,000	< 1,000	< 1,700	< 1,700	110 J	< 1,000	< 2,500	< 710	< 2,500	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	0.31 J	< 5.0	< 6.7	0.31 J	< 1.0
trans-1,3-Dichloropropene	µg/l	NS	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA
Trichloroethene	µg/l	5.0	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	< 710	< 2,500	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	< 1.0	< 1.0
Vinyl chloride	µg/l	2.0	10,000	9,800	8,400	8,100	4,900	8,400	9,100	7,100	8,100	48	140	150	76	150	97	99	170	200	120
Gases																					
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																					
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																					
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-51										MW-52										
			15-20										15-20										
			4/25/2017	8/3/2017	11/9/2017	2/8/2018	5/14/2018	8/6/2018	10/30/2018	03/01/2019	6/12/2019	9/24/2019	7/27/2017	11/10/2017	2/13/2018	5/9/2018	8/10/2018	10/31/2018	03/02/2019	6/15/2019	9/28/2019		
Semi-volatile Organic Compounds (SVOCs)																							
1,4-Dioxane	µg/l	350	0.75 J	1.2 J	1.1 J	1.1 J	0.49 J	1.6 J	2.5	1.5 J	2.2	3.2	1.3 J	0.68 J	1.2 J	0.30 J	1.8 J	2.7	1.9 J	1.2 J	1.1 J		
Volatile Organic Compounds (VOCs)																							
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,1-Dichloroethane	µg/l	2,500	0.41 J	0.72 J	0.70 J	0.84 J	0.45 J	0.77 J	1.0	0.57 J	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	NA*	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA		
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.28 J	0.24 J	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.40 J	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.18 J	< 1.0	NA	NA		
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA		
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA		
Acetone	µg/l	2,100	< 10	< 10	< 10	< 10	3.9 J	< 10	< 10	< 10	NA	NA	2.2 J	< 10	< 10	2.7 J	< 10	< 10	< 10	NA	NA		
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA		
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	0.31 J	< 1.0	0.37 J	0.33 J	0.22 J	0.16 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA		
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA		
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Methyl Acetate	µg/l	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA		
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA		
Methylcyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-51										MW-52									
			15-20										15-20									
			4/25/2017	8/3/2017	11/9/2017	2/8/2018	5/14/2018	8/6/2018	10/30/2018	03/01/2019	6/12/2019	9/24/2019	7/27/2017	11/10/2017	2/13/2018	5/9/2018	8/10/2018	10/31/2018	03/02/2019	6/15/2019	9/28/2019	
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/l	2.0	0.57 J	0.97 J	0.47 J	< 1.0	0.70 J	0.40 J	0.39 J	0.29 J	0.36 J	0.28 J	7.0	9.1	4.0	4.3	4.5	5.0	3.9	3.4	5.9	
Gases																						
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other																						
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals																						
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-53										MW-54								
			16-21										16-21								
			4/24/2017	7/27/2017	11/8/2017	2/7/2018	5/9/2018	8/13/2018	10/31/2018	02/28/2019	6/10/2019	9/28/2019	7/27/2017	11/8/2017	2/7/2018	5/9/2018	8/13/2018	10/31/2018	2/25/2019	6/10/2019	9/27/2019
Semi-volatile Organic Compounds (SVOCs)																					
1,4-Dioxane	µg/l	350	1.1 J	2.0	0.61 J	1.1 J	1.4 J	1.6 J	1.8 J	1.7 J	2.5	1.5 J	1.5 J	2.0	2.7	1.7 J	1.4 J	2.6	NS	3.0	2.2
Volatile Organic Compounds (VOCs)																					
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	< 1.0	< 1.0
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 J	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NS	NA	NA
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.26 J	NS	NA	NA
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	0.18 J	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	< 10	< 10 J	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	NS	NA	NA
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	< 10 J	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	NS	NA	NA
Acetone	µg/l	2,100	< 10	< 10	< 10	< 10	< 10	< 10 J	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	NS	NA	NA
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 J	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NS	NA	NA
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	< 1.0	< 1.0
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 J	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NS	NA	NA
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0 J	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NS	NA	NA
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA
Methyl Acetate	µg/l	NS	< 10	< 10	< 10	< 10	< 10	< 10 J	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	NS	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 10	< 10	< 10	< 10	< 10	< 10 J	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	NS	NA	NA
Methylcyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-53										MW-54									
			16-21										16-21									
			4/24/2017	7/27/2017	11/8/2017	2/7/2018	5/9/2018	8/13/2018	10/31/2018	02/28/2019	6/10/2019	9/28/2019	7/27/2017	11/8/2017	2/7/2018	5/9/2018	8/13/2018	10/31/2018	2/25/2019	6/10/2019	9/27/2019	
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA	
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA	
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	< 1.0	< 1.0	
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA	
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0 J	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NS	NA	NA	
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	< 1.0	< 1.0	
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NA	NA	
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	< 1.0	< 1.0	
Vinyl chloride	µg/l	2.0	< 1.0	0.63 J	< 1.0	< 1.0	< 1.0	0.45 J	0.60 J	< 1.0	< 1.0	0.84 J	0.88 J	1.5	1.2	0.98 J	0.34 J	0.85 J	NS	0.87 J	0.84 J	
Gases																						
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other																						
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals																						
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-54S			MW-55									MW-55D	
			4.5-9.5			15-20									19-24	
			4/29/2019	6/10/2019	9/27/2019	7/27/2017	11/8/2017	2/7/2018	5/10/2018	8/13/2018	10/31/2018	02/27/2019	6/11/2019	9/25/2019	6/11/2019	9/25/2019
Semi-volatile Organic Compounds (SVOCs)																
1,4-Dioxane	µg/l	350	< 2.0	< 2.0	< 2.0	1.2 J	1.4 J	0.96 J	1.2 J	1.1 J	1.6 J	< 2.0	1.2 J	< 2.0	2.8	2.6
Volatile Organic Compounds (VOCs)																
1,1,1-Trichloroethane	µg/l	200	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	µg/l	35	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
1,1,2-Trichloroethane	µg/l	5.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
1,1-Dichloroethane	µg/l	2,500	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trimethylbenzene	µg/l	NS	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA
1,2,4-Trichlorobenzene	µg/l	70	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
1,2,4-Trimethylbenzene	µg/l	63	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	µg/l	0.2	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
1,2-Dibromoethane	µg/l	0.05	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
1,2-Dichlorobenzene	µg/l	600	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
1,2-Dichloroethane	µg/l	5.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
1,2-Dichloropropane	µg/l	5.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
1,3,5-Trimethylbenzene	µg/l	72	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
1,3-Dichlorobenzene	µg/l	19	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
1,4-Dichlorobenzene	µg/l	75	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.25 J	< 1.0	NA	NA	NA	NA
2-Butanone (MEK)	µg/l	38,000	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA
Acetone	µg/l	2,100	NA	NA	NA	< 10	< 10	< 10	2.7 J	< 10	< 10	< 10	NA	NA	NA	NA
Benzene	µg/l	5.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
Bromodichloromethane	µg/l	80	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
Bromoform	µg/l	80	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
Bromomethane	µg/l	29	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
Carbon Disulfide	µg/l	2,300	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA
Carbon Tetrachloride	µg/l	5.0	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
CFC-11	µg/l	7,300	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
CFC-12	µg/l	4,800	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
Chlorobenzene	µg/l	100	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
Chlorodibromomethane	µg/l	80	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
Chloroethane	µg/l	1,700	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
Chloroform	µg/l	80	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
Chloromethane	µg/l	1,100	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
cis-1,2-Dichloroethene	µg/l	70	0.26 J	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.19 J	< 1.0	< 1.0	0.89 J	< 1.0	0.79 J
cis-1,3-Dichloropropene	µg/l	NS	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
Cyclohexane	µg/l	NS	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
Dichloromethane	µg/l	5.0	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA
Diethyl ether	µg/l	10	NA	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA
Ethylbenzene	µg/l	74	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
Isopropylbenzene	µg/l	2,300	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
Methyl Acetate	µg/l	NS	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA
Methylcyclohexane	µg/l	NS	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-54S			MW-55									MW-55D	
			4.5-9.5			15-20									19-24	
			4/29/2019	6/10/2019	9/27/2019	7/27/2017	11/8/2017	2/7/2018	5/10/2018	8/13/2018	10/31/2018	02/27/2019	6/11/2019	9/25/2019	6/11/2019	9/25/2019
Methyl-tert-butylether	µg/l	40	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
Styrene (Monomer)	µg/l	100	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	790	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
Total Xylenes	µg/l	280	NA	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	µg/l	NS	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/l	2.0	< 1.0	< 1.0	< 1.0 J	0.84 J	0.65 J	< 1.0	0.48 J	0.39 J	0.57 J	0.54 J	0.48 J	0.58 J	0.34 J	< 1.0
Gases																
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-56										MW-57									
			16-21										17-22									
			4/24/2017	7/28/2017	11/8/2017	2/14/2018	5/9/2018	8/13/2018	10/31/2018	02/27/2019	6/11/2019	9/25/2019	7/27/2017	11/7/2017	2/9/2018	5/9/2018	8/6/2018	10/25/2018	02/28/2019	6/11/2019	9/27/2019	
Semi-volatile Organic Compounds (SVOCs)																						
1,4-Dioxane	µg/l	350	3.8	2.7	2.2	1.6 J	2.7	2.3	2.7	2.9	3.7	2.4	4.6	4.9	4.9	3.9	4.5	4.6	3.1	3.6	3.3	
Volatile Organic Compounds (VOCs)																						
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.16 J	< 1.0	NA	NA	
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	2.7 J	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Acetone	µg/l	2,100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	1.8 J	< 10	< 10	< 10	< 10	< 10	12	NA	NA	
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.24 J	0.43 J	0.26 J	0.27 J	0.34 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	2.6 J	< 5.0	NA	NA	
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Methyl Acetate	µg/l	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Methylcyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-56										MW-57										
			16-21										17-22										
			4/24/2017	7/28/2017	11/8/2017	2/14/2018	5/9/2018	8/13/2018	10/31/2018	02/27/2019	6/11/2019	9/25/2019	7/27/2017	11/7/2017	2/9/2018	5/9/2018	8/6/2018	10/25/2018	02/28/2019	6/11/2019	9/27/2019		
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.11 J	0.12 J	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA		
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA		
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
Vinyl chloride	µg/l	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.31 J	0.38 J	< 1.0	< 1.0	< 1.0	< 1.0	0.59 J	0.56 J	0.39 J	0.64 J	0.88 J	0.77 J	0.90 J	
Gases																							
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Other																							
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Metals																							
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-58									MW-62										
			15-20									16.3-21.3										
			7/28/2017	11/8/2017	2/7/2018	5/14/2018	8/13/2018	10/31/2018	03/01/2019	6/11/2019	9/25/2019	4/21/2017	7/31/2017	11/13/2017	2/6/2018	5/9/2018	8/6/2018	10/24/2018	02/27/2019	6/12/2019	9/27/2019	
Semi-volatile Organic Compounds (SVOCs)																						
1,4-Dioxane	µg/l	350	10	8.0	9.6	3.6	2.2	3.9	6.2	11	8.6	2.8	3.7	3.7	2.1	1.5 J	3.1	2.3	2.4	2.0	3.1	
Volatile Organic Compounds (VOCs)																						
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	NA*	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.27 J	< 1.0	NA	NA	
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Acetone	µg/l	2,100	< 10	< 10	< 10	4.4 J	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.6	< 1.0	0.30 J	0.30 J	0.83 J	< 1.0	0.23 J	0.33 J	0.31 J	< 1.0	
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Methyl Acetate	µg/l	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Methylcyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-58									MW-62									
			15-20									16.3-21.3									
			7/28/2017	11/8/2017	2/7/2018	5/14/2018	8/13/2018	10/31/2018	03/01/2019	6/11/2019	9/25/2019	4/21/2017	7/31/2017	11/13/2017	2/6/2018	5/9/2018	8/6/2018	10/24/2018	02/27/2019	6/12/2019	9/27/2019
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/l	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.3	< 1.0	1.0	1.3	1.2	0.66 J	1.0	0.73 J	0.62 J	0.65 J
Gases																					
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																					
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																					
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-63											MW-64													
			7-12											15-20													
			4/21/2017	5/25/2017	7/31/2017	11/13/2017	2/7/2018	5/9/2018	8/6/2018	10/24/2018	02/28/2019	6/12/2019	9/20/2019	4/24/2017	7/27/2017	11/7/2017	2/9/2018	5/10/2018	8/13/2018	11/5/2018	02/28/2019	6/11/2019	9/27/2019				
Semi-volatile Organic Compounds (SVOCs)																											
1,4-Dioxane	µg/l	350	19	NA	0.36 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.32 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0				
Volatile Organic Compounds (VOCs)																											
1,1,1-Trichloroethane	µg/l	200	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
1,1,2,2-Tetrachloroethane	µg/l	35	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
1,1,2-Trichloroethane	µg/l	5.0	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
1,1-Dichloroethane	µg/l	2,500	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	0.21 J	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
1,1-Dichloroethene	µg/l	7.0	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0				
1,2,3-Trimethylbenzene	µg/l	NS	< 5,000	< 5,000	< 500	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA				
1,2,4-Trichlorobenzene	µg/l	70	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
1,2,4-Trimethylbenzene	µg/l	63	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
1,2-Dibromoethane	µg/l	0.05	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
1,2-Dichlorobenzene	µg/l	600	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
1,2-Dichloroethane	µg/l	5.0	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
1,2-Dichloropropane	µg/l	5.0	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
1,3,5-Trimethylbenzene	µg/l	72	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
1,3-Dichlorobenzene	µg/l	19	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	0.27 J	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
1,4-Dichlorobenzene	µg/l	75	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
2-Butanone (MEK)	µg/l	38,000	< 10,000	< 10,000	< 1,000	< 100	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA				
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10,000	< 10,000	< 1,000	< 100	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA				
Acetone	µg/l	2,100	< 10,000	< 10,000	< 1,000	< 100	< 10	< 10	< 10	< 10	< 10	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA				
Benzene	µg/l	5.0	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
Bromodichloromethane	µg/l	80	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
Bromoform	µg/l	80	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
Bromomethane	µg/l	29	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
Carbon Disulfide	µg/l	2,300	< 5,000	< 5,000	< 500	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA				
Carbon Tetrachloride	µg/l	5.0	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
CFC-11	µg/l	7,300	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
CFC-12	µg/l	4,800	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
Chlorobenzene	µg/l	100	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
Chlorodibromomethane	µg/l	80	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
Chloroethane	µg/l	1,700	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
Chloroform	µg/l	80	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA				
Chloromethane	µg/l	1,100	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	&																	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-63											MW-64									
			7-12											15-20									
			4/21/2017	5/25/2017	7/31/2017	11/13/2017	2/7/2018	5/9/2018	8/6/2018	10/24/2018	02/28/2019	6/12/2019	9/20/2019	4/24/2017	7/27/2017	11/7/2017	2/9/2018	5/10/2018	8/13/2018	11/5/2018	02/28/2019	6/11/2019	9/27/2019
Methyl-tert-butylether	µg/l	40	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Styrene (Monomer)	µg/l	100	13,000	13,000	3,900	320	0.23 J	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Tetrachloroethene	µg/l	5.0	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	790	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Total Xylenes	µg/l	280	< 2,000	< 2,000	< 200	< 20	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	0.30 J	0.29 J	< 1.0	0.42 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	µg/l	NS	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Trichloroethene	µg/l	5.0	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/l	2.0	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.24 J	2.4	4.8	7.0	6.7	1.3	5.9	3.0	3.4	1.7	9.9
Gases																							
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																							
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																							
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-65										MW-66										
			16-21										15-20										
			4/25/2017	8/2/2017	11/8/2017	2/6/2018	5/10/2018	8/8/2018	10/30/2018	02/28/2019	6/12/2019	9/18/2019	4/25/2017	8/2/2017	11/13/2017	2/12/2018	5/10/2018	8/8/2018	11/2/2018	03/04/2019	6/10/2019	9/19/2019	
Semi-volatile Organic Compounds (SVOCs)																							
1,4-Dioxane	µg/l	350	3.8	3.1	3.8	3.4	2.1	1.8 J	2.9	2.6	3.8	4.2	0.76 J	0.99 J	0.49 J	1.3 J	< 2.0	< 2.0	1.1 J	1.2 J	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																							
1,1,1-Trichloroethane	µg/l	200	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2,2-Tetrachloroethane	µg/l	35	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-Trichloroethane	µg/l	5.0	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethane	µg/l	2,500	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	0.35 J	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethene	µg/l	7.0	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,3-Trimethylbenzene	µg/l	NS	< 10	< 20	< 10	< 10	< 10	< 5.0	< 10	< 13	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
1,2,4-Trichlorobenzene	µg/l	70	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2,4-Trimethylbenzene	µg/l	63	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromoethane	µg/l	0.05	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichlorobenzene	µg/l	600	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloroethane	µg/l	5.0	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloropropane	µg/l	5.0	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3,5-Trimethylbenzene	µg/l	72	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3-Dichlorobenzene	µg/l	19	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.24 J	< 1.0	NA	NA	
1,4-Dichlorobenzene	µg/l	75	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
2-Butanone (MEK)	µg/l	38,000	< 20	< 40	< 20	< 20	< 20	< 10	< 20	< 25	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 20	< 40	< 20	< 20	< 20	< 10	< 20	< 25	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Acetone	µg/l	2,100	< 20	< 40	< 20	< 20	< 20	< 10	< 20	< 25	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Benzene	µg/l	5.0	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromodichloromethane	µg/l	80	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromoform	µg/l	80	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromomethane	µg/l	29	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Carbon Disulfide	µg/l	2,300	< 10	< 20	< 10	< 10	< 10	< 5.0	< 10	< 13	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0.39 J	< 5.0	NA	NA	
Carbon Tetrachloride	µg/l	5.0	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-11	µg/l	7,300	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-12	µg/l	4,800	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorobenzene	µg/l	100	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorodibromomethane	µg/l	80	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroethane	µg/l	1,700	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroform	µg/l	80	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloromethane	µg/l	1,100	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
cis-1,2-Dichloroethene	µg/l	70	3.3	4.1	3.9	4.1	6.0	6.2	7.0	5.9	4.9	4.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.19 J	< 1.0	< 1.0	< 1.0	
cis-1,3-Dichloropropene	µg/l	NS	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Cyclohexane	µg/l	NS	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Dichloromethane	µg/l	5.0	< 10	< 20	< 10	1.5 J	< 10	< 5.0	< 10	< 13	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Diethyl ether	µg/l	10	< 4.0	< 8.0	< 4.0	< 4.0	< 4.0	< 2.0	< 4.0	< 5.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	
Ethylbenzene	µg/l	74	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA												

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-65										MW-66									
			16-21										15-20									
			4/25/2017	8/2/2017	11/8/2017	2/6/2018	5/10/2018	8/8/2018	10/30/2018	02/28/2019	6/12/2019	9/18/2019	4/25/2017	8/2/2017	11/13/2017	2/12/2018	5/10/2018	8/8/2018	11/2/2018	03/04/2019	6/10/2019	9/19/2019
Methyl-tert-butylether	µg/l	40	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Styrene (Monomer)	µg/l	100	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Tetrachloroethene	µg/l	5.0	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	790	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Total Xylenes	µg/l	280	< 4.0	< 8.0	< 4.0	< 4.0	< 4.0	< 2.0	< 4.0	< 5.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	µg/l	NS	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Trichloroethene	µg/l	5.0	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/l	2.0	61	49	48	36	41	35	48	34	41	25	5.6	5.4	3.0	2.7	2.4	3.2	1.2	3.2	1.5	< 1.0
Gases																						
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																						
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																						
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-67										MW-68										
			9-14										15-20										
			4/21/2017	7/31/2017	11/14/2017	2/12/2018	5/14/2018	8/13/2018	10/25/2018	02/28/2019	6/13/2019	9/20/2019	4/24/2017	8/1/2017	11/10/2017	2/12/2018	5/15/2018	8/9/2018	10/25/2018	02/27/2019	6/12/2019	9/25/2019	
Semi-volatile Organic Compounds (SVOCs)																							
1,4-Dioxane	µg/l	350	1.8 J	0.33 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.40 J	0.69 J	0.73 J	0.54 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																							
1,1,1-Trichloroethane	µg/l	200	2.3 J	2.0 J	2.1 J	< 3.3	0.94 J	0.80 J	1.3 J	0.78 J	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2,2-Tetrachloroethane	µg/l	35	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1,2-Trichloroethane	µg/l	5.0	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,1-Dichloroethane	µg/l	2,500	< 10	1.0 J	< 5.0	< 3.3	0.25 J	< 2.5	< 3.3	0.49 J	NA	NA	1.6	1.7	3.7	2.0	1.4	1.9	2.1	1.4	NA	NA	
1,1-Dichloroethene	µg/l	7.0	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	< 3.3	< 1.0	< 1.0	< 1.0	0.39 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,3-Trimethylbenzene	µg/l	NS	< 50	< 20	< 25	< 17	NA*	< 13	< 17	< 13	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
1,2,4-Trichlorobenzene	µg/l	70	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2,4-Trimethylbenzene	µg/l	63	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dibromoethane	µg/l	0.05	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichlorobenzene	µg/l	600	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloroethane	µg/l	5.0	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,2-Dichloropropane	µg/l	5.0	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3,5-Trimethylbenzene	µg/l	72	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
1,3-Dichlorobenzene	µg/l	19	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.25 J	< 1.0	NA	NA
1,4-Dichlorobenzene	µg/l	75	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
2-Butanone (MEK)	µg/l	38,000	< 100	< 40	< 50	< 33	< 10	< 25	< 33	< 25	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 100	< 40	< 50	< 33	< 10	< 25	< 33	< 25	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Acetone	µg/l	2,100	< 100	< 40	< 50	< 33	3.5 J	< 25	< 33	< 25	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	
Benzene	µg/l	5.0	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromodichloromethane	µg/l	80	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromoform	µg/l	80	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Bromomethane	µg/l	29	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Carbon Disulfide	µg/l	2,300	< 50	< 20	< 25	< 17	< 5.0	< 13	< 17	< 13	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Carbon Tetrachloride	µg/l	5.0	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-11	µg/l	7,300	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
CFC-12	µg/l	4,800	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorobenzene	µg/l	100	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chlorodibromomethane	µg/l	80	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroethane	µg/l	1,700	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloroform	µg/l	80	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Chloromethane	µg/l	1,100	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
cis-1,2-Dichloroethene	µg/l	70	47	36	15	9.6	5.7	4.5	5.6	5.6	< 3.3	8.9	20	18	13	13	10	13	17	31	31	32	
cis-1,3-Dichloropropene	µg/l	NS	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Cyclohexane	µg/l	NS	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Dichloromethane	µg/l	5.0	< 50	< 20	< 25	1.8 J	< 5.0	< 13	< 17	< 13	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	
Diethyl ether	µg/l	10	< 20	< 8.0	< 10	< 6.7	< 2.0	< 5.0	< 6.7	< 5.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	
Ethylbenzene	µg/l	74	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	
Isopropylbenzene	µg/l	2,300	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	<													

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-67										MW-68									
			9-14										15-20									
			4/21/2017	7/31/2017	11/14/2017	2/12/2018	5/14/2018	8/13/2018	10/25/2018	02/28/2019	6/13/2019	9/20/2019	4/24/2017	8/1/2017	11/10/2017	2/12/2018	5/15/2018	8/9/2018	10/25/2018	02/27/2019	6/12/2019	9/25/2019
Methyl-tert-butylether	µg/l	40	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	NA	NA
Styrene (Monomer)	µg/l	100	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Tetrachloroethene	µg/l	5.0	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	< 3.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	790	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Total Xylenes	µg/l	280	< 20	< 8.0	< 10	< 6.7	< 2.0	< 5.0	< 6.7	< 5.0	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 10	2.4 J	1.7 J	1.1 J	0.75 J	0.78 J	0.88 J	1.4 J	< 3.3	1.7	1.9	1.9	1.5	1.8	1.4	1.7	2.1	3.6	4.0	4.2
trans-1,3-Dichloropropene	µg/l	NS	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA
Trichloroethene	µg/l	5.0	94	91	110	83	57	60	69	41	< 3.3	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.20 J	0.26 J	< 1.0
Vinyl chloride	µg/l	2.0	14	< 4.0	< 5.0	< 3.3	1.3	< 2.5	< 3.3	1.7 J	< 3.3	0.72 J	12	2.1	18	2.5	2.1	2.2	2.1	17	19	6.8
Gases																						
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																						
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																						
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-69									MW-70										
			15-20									15-20										
			4/25/2017	11/10/2017	2/14/2018	5/10/2018	8/13/2018	11/6/2018	02/28/2019	6/12/2019	9/23/2019	4/24/2017	8/1/2017	11/13/2017	2/12/2018	5/14/2018	8/9/2018	11/2/2018	02/26/2019	6/11/2019	9/26/2019	
Semi-volatile Organic Compounds (SVOCs)																						
1,4-Dioxane	µg/l	350	12	35	23	7.3	7.1	12	5.0	6.7	5.3	0.76 J	0.68 J	1.1 J	0.91 J	3.0	1.6 J	2.2	6.5	3.9	4.2	
Volatile Organic Compounds (VOCs)																						
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	2.4 J	3.3 J	3.4 J	< 13	2.2 J	< 13	2.5 J	2.3 J	NA	NA	
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 6.7	< 10	< 10	< 13	2.1 J	< 13	1.3 J	< 10	< 10	< 5.0	
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 33	< 50	< 50	< 67	NA*	< 63	< 20	< 50	NA	NA	
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	2.5 J	< 13	< 4.0	< 10	NA	NA	
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	0.79 J	< 13	< 4.0	< 10	NA	NA	
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 67	< 100	< 100	< 130	< 33	< 130	< 40	< 100	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 67	< 100	< 100	< 130	< 33	< 130	< 40	< 100	NA	NA	
Acetone	µg/l	2,100	4.4 J	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 67	< 100	< 100	< 130	15 J	< 130	< 40	< 100	NA	NA	
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	< 33	< 50	< 50	< 67	< 17	< 63	< 20	< 50	NA	NA	
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.19 J	0.23 J	0.22 J	190	200	200	230	260	200	250	290	150	220	
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	8.9 J	< 50	< 50	< 67	< 17	< 63	< 20	< 50	NA	NA	
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 13	< 20	< 20	< 27	< 6.7	< 25	1.8 J	< 20	NA	NA	
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	
Methyl Acetate	µg/l	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 67	< 100	< 100	< 130	< 33	< 130	< 40	< 100	NA	NA	
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	< 67	< 100	< 100	< 130	< 33	< 130	< 40	< 100	NA	NA	
Methylcyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-69									MW-70									
			15-20									15-20									
			4/25/2017	11/10/2017	2/14/2018	5/10/2018	8/13/2018	11/6/2018	02/28/2019	6/12/2019	9/23/2019	4/24/2017	8/1/2017	11/13/2017	2/12/2018	5/14/2018	8/9/2018	11/2/2018	02/26/2019	6/11/2019	9/26/2019
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	< 10	< 5.0
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	< 13	< 20	< 20	< 27	< 6.7	< 25	< 8.0	< 20	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.8 J	4.2 J	5.1 J	4.4 J	3.0 J	3.3 J	4.4	3.8 J	2.4 J	2.1 J
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	< 10	< 5.0
Vinyl chloride	µg/l	2.0	2.8	< 1.0	< 1.0	3.3	2.7	1.4	4.1	3.6	3.5	120	100	140	160	210	190	210	350	230	340
Gases																					
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																					
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																					
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-71										MW-113			MW-114			MW-120		
			15-20										5-10			5-10			7-12		
			4/24/2017	8/1/2017	11/13/2017	2/12/2018	5/8/2018	8/9/2018	11/6/2018	02/27/2019	6/11/2019	9/27/2019	4/23/2019	6/12/2019	9/25/2019	4/23/2019	6/13/2019	9/25/2019	4/23/2019	6/15/2019	9/28/2019
Semi-volatile Organic Compounds (SVOCs)																					
1,4-Dioxane	µg/l	350	4.3	1.4 J	0.72 J	0.57 J	0.38 J	0.95 J	1.1 J	< 2.0	1.6 J	1.3 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Volatile Organic Compounds (VOCs)																					
1,1,1-Trichloroethane	µg/l	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1,2,2-Tetrachloroethane	µg/l	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1,2-Trichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	µg/l	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trimethylbenzene	µg/l	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	µg/l	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	µg/l	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	µg/l	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	µg/l	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	µg/l	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.16 J	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	µg/l	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	µg/l	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	µg/l	2,100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	µg/l	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	µg/l	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-11	µg/l	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CFC-12	µg/l	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	µg/l	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	µg/l	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	µg/l	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	0.39 J	0.37 J	0.40 J	0.34 J	0.36 J	0.30 J	0.42 J	0.41 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichloromethane	µg/l	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl ether	µg/l	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	µg/l	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	µg/l	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Acetate	µg/l	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-71										MW-113			MW-114			MW-120		
			15-20										5-10			5-10			7-12		
			4/24/2017	8/1/2017	11/13/2017	2/12/2018	5/8/2018	8/9/2018	11/6/2018	02/27/2019	6/11/2019	9/27/2019	4/23/2019	6/12/2019	9/25/2019	4/23/2019	6/13/2019	9/25/2019	4/23/2019	6/15/2019	9/28/2019
Methyl-tert-butylether	µg/l	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/l	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	µg/l	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	µg/l	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.7	4.3	5.9
Vinyl chloride	µg/l	2.0	< 1.0	0.68 J	0.83 J	0.59 J	0.59 J	< 1.0	0.31 J	0.40 J	0.77 J	0.41 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Gases																					
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																					
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																					
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-122		MW-124			PW-16-01								
			16-21		5-10			9.7-19.7								
			6/10/2019	9/25/2019	4/23/2019	6/13/2019	9/30/2019	8/2/2017	11/7/2017	2/7/2018	5/15/2018	8/6/2018	10/30/2018	02/26/2019	6/10/2019	9/24/2019
Semi-volatile Organic Compounds (SVOCs)																
1,4-Dioxane	µg/l	350	NS	1.9 J	< 2.0	< 2.0	< 2.0	< 2.0	14	0.76 J	< 2.0	< 2.0	1.3 J	< 2.0	3.0	1.3 J
Volatile Organic Compounds (VOCs)																
1,1,1-Trichloroethane	µg/l	200	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
1,1,2,2-Tetrachloroethane	µg/l	35	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
1,1,2-Trichloroethane	µg/l	5.0	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
1,1-Dichloroethane	µg/l	2,500	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
1,1-Dichloroethene	µg/l	7.0	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	< 100	< 100
1,2,3-Trimethylbenzene	µg/l	NS	NS	NA	NA	NA	NA	< 5.0	< 1,000	< 71	< 71	< 200	< 200	< 5.0	NA	NA
1,2,4-Trichlorobenzene	µg/l	70	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
1,2,4-Trimethylbenzene	µg/l	63	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
1,2-Dibromo-3-chloropropane	µg/l	0.2	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
1,2-Dibromoethane	µg/l	0.05	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
1,2-Dichlorobenzene	µg/l	600	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
1,2-Dichloroethane	µg/l	5.0	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
1,2-Dichloropropane	µg/l	5.0	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
1,3,5-Trimethylbenzene	µg/l	72	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
1,3-Dichlorobenzene	µg/l	19	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
1,4-Dichlorobenzene	µg/l	75	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
2-Butanone (MEK)	µg/l	38,000	NS	NA	NA	NA	NA	< 10	< 2,000	< 140	< 140	< 400	< 400	< 10	NA	NA
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	NS	NA	NA	NA	NA	< 10	< 2,000	< 140	< 140	< 400	< 400	< 10	NA	NA
Acetone	µg/l	2,100	NS	NA	NA	NA	NA	< 10	< 2,000	< 140	32 J	< 400	< 400	< 10	NA	NA
Benzene	µg/l	5.0	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
Bromodichloromethane	µg/l	80	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
Bromoform	µg/l	80	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
Bromomethane	µg/l	29	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
Carbon Disulfide	µg/l	2,300	NS	NA	NA	NA	NA	< 5.0	< 1,000	< 71	< 71	< 200	< 200	< 5.0	NA	NA
Carbon Tetrachloride	µg/l	5.0	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
CFC-11	µg/l	7,300	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
CFC-12	µg/l	4,800	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
Chlorobenzene	µg/l	100	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
Chlorodibromomethane	µg/l	80	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
Chloroethane	µg/l	1,700	NS	NA	NA	NA	NA	0.55 J	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
Chloroform	µg/l	80	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
Chloromethane	µg/l	1,100	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
cis-1,2-Dichloroethene	µg/l	70	NS	< 1.0	1.7	1.8	2.1	2.2	550	82	7.1 J	180	250	0.51 J	300	310
cis-1,3-Dichloropropene	µg/l	NS	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
Cyclohexane	µg/l	NS	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
Dichloromethane	µg/l	5.0	NS	NA	NA	NA	NA	< 5.0	< 1,000	11 J	8.6 J	< 200	< 200	< 5.0	NA	NA
Diethyl ether	µg/l	10	NS	NA	NA	NA	NA	< 2.0	< 400	< 29	< 29	< 80	< 80	< 2.0	NA	NA
Ethylbenzene	µg/l	74	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
Isopropylbenzene	µg/l	2,300	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
Methyl Acetate	µg/l	NS	NS	NA	NA	NA	NA	< 10	< 2,000	< 140	< 140	< 400	< 400	< 10	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	NS	NA	NA	NA	NA	< 10	< 2,000	< 140	< 140	< 400	< 400	< 10	NA	NA
Methylcyclohexane	µg/l	NS	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	MW-122		MW-124			PW-16-01								
			16-21		5-10			9.7-19.7								
			6/10/2019	9/25/2019	4/23/2019	6/13/2019	9/30/2019	8/2/2017	11/7/2017	2/7/2018	5/15/2018	8/6/2018	10/30/2018	02/26/2019	6/10/2019	9/24/2019
Methyl-tert-butylether	µg/l	40	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14 J	< 40	< 40	< 1.0	NA	NA
Styrene (Monomer)	µg/l	100	NS	NA	NA	NA	NA	0.35 J	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
Tetrachloroethene	µg/l	5.0	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	< 100	< 100
Toluene	µg/l	790	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
Total Xylenes	µg/l	280	NS	NA	NA	NA	NA	< 2.0	< 400	< 29	< 29	< 80	< 80	< 2.0	NA	NA
trans-1,2-Dichloroethene	µg/l	100	NS	< 1.0	0.19 J	0.26 J	0.24 J	< 1.0	< 200	5.4 J	< 14	< 40	10 J	< 1.0	< 100	< 100
trans-1,3-Dichloropropene	µg/l	NS	NS	NA	NA	NA	NA	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA
Trichloroethene	µg/l	5.0	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	< 100	< 100
Vinyl chloride	µg/l	2.0	NS	2.4	0.32 J	0.40 J	< 1.0	24	5,300	160	37 J	870	1,400	0.92 J	2,100	2,000
Gases																
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	PW-16-02									TW-16-01									
			6-21									12-17									
			8/3/2017	11/8/2017	2/14/2018	5/11/2018	8/8/2018	10/30/2018	02/25/2019	6/11/2019	9/27/2019	8/2/2017	11/7/2017	2/7/2018	5/15/2018	8/6/2018	10/30/2018	02/26/2019	6/10/2019	9/24/2019	
Semi-volatile Organic Compounds (SVOCs)																					
1,4-Dioxane	µg/l	350	0.51 J	< 2.0	< 2.0	< 2.0	1.5 J	1.4 J	< 2.0	< 2.0	1.4 J	0.32 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0 J	< 2.0	
Volatile Organic Compounds (VOCs)																					
1,1,1-Trichloroethane	µg/l	200	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
1,1,2,2-Tetrachloroethane	µg/l	35	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
1,1,2-Trichloroethane	µg/l	5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
1,1-Dichloroethane	µg/l	2,500	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
1,1-Dichloroethene	µg/l	7.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 5.0	< 10	< 13	< 33	< 33	< 25	< 25	< 100	< 33 J	< 20	
1,2,3-Trimethylbenzene	µg/l	NS	< 25	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	NA	NA	< 50	< 63	< 170	< 170	< 130	< 130	< 500	NA	NA	
1,2,4-Trichlorobenzene	µg/l	70	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
1,2,4-Trimethylbenzene	µg/l	63	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
1,2-Dibromoethane	µg/l	0.05	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
1,2-Dichlorobenzene	µg/l	600	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
1,2-Dichloroethane	µg/l	5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
1,2-Dichloropropane	µg/l	5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
1,3,5-Trimethylbenzene	µg/l	72	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
1,3-Dichlorobenzene	µg/l	19	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
1,4-Dichlorobenzene	µg/l	75	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
2-Butanone (MEK)	µg/l	38,000	< 50	< 10	< 10	< 10	< 10	< 20	< 10	NA	NA	< 100	< 130	< 330	< 330	< 250	< 250	< 1,000	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 50	< 10	< 10	< 10	< 10	< 20	< 10	NA	NA	< 100	< 130	< 330	< 330	< 250	< 250	< 1,000	NA	NA	
Acetone	µg/l	2,100	< 50	< 10	< 10	< 10	< 10	< 20	< 10	NA	NA	< 100	< 130	< 330	68 J	< 250	< 250	< 1,000	NA	NA	
Benzene	µg/l	5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
Bromodichloromethane	µg/l	80	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
Bromoform	µg/l	80	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
Bromomethane	µg/l	29	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
Carbon Disulfide	µg/l	2,300	< 25	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	NA	NA	< 50	< 63	< 170	< 170	< 130	< 130	< 500	NA	NA	
Carbon Tetrachloride	µg/l	5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
CFC-11	µg/l	7,300	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
CFC-12	µg/l	4,800	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
Chlorobenzene	µg/l	100	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
Chlorodibromomethane	µg/l	80	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
Chloroethane	µg/l	1,700	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
Chloroform	µg/l	80	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
Chloromethane	µg/l	1,100	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
cis-1,2-Dichloroethene	µg/l	70	63	2.3	12	< 1.0	11	11	1.9	< 1.0	20	17	32	34	68	140	180	150	140	170	
cis-1,3-Dichloropropene	µg/l	NS	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
Cyclohexane	µg/l	NS	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
Dichloromethane	µg/l	5.0	< 25	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	NA	NA	< 50	10 J	23 J	20 J	< 130	< 130	< 500	NA	NA	
Diethyl ether	µg/l	10	< 10	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	< 2.0	NA	NA	< 20	< 25	< 67	< 67	< 50	< 50	< 200	NA	NA	
Ethylbenzene	µg/l	74	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
Isopropylbenzene	µg/l	2,300	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	
Methyl Acetate	µg/l	NS	< 50	< 10	< 10	< 10	< 10	< 20	< 10	NA	NA	< 100	< 130	< 330	< 330	< 250	< 250	< 1,000	NA	NA	
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 50	< 10	< 10	< 10	< 10	< 20	< 10	NA	NA	< 100	< 130	< 330	< 330	< 250	< 250	< 1,000	NA	NA	
Methylcyclohexane	µg/l	NS	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	PW-16-02									TW-16-01								
			6-21									12-17								
			8/3/2017	11/8/2017	2/14/2018	5/11/2018	8/8/2018	10/30/2018	02/25/2019	6/11/2019	9/27/2019	8/2/2017	11/7/2017	2/7/2018	5/15/2018	8/6/2018	10/30/2018	02/26/2019	6/10/2019	9/24/2019
Methyl-tert-butylether	µg/l	40	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33 J	< 25	< 25	< 100	NA	NA
Styrene (Monomer)	µg/l	100	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA
Tetrachloroethene	µg/l	5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 5.0	< 10	< 13	< 33	< 33	< 25	< 25	< 100	< 33 J	< 20
Toluene	µg/l	790	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA
Total Xylenes	µg/l	280	< 10	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	< 2.0	NA	NA	< 20	< 25	< 67	< 67	< 50	< 50	< 200	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 5.0	< 10	< 13	< 33	11 J	7.5 J	14 J	22 J	8.0 J	< 20
trans-1,3-Dichloropropene	µg/l	NS	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA
Trichloroethene	µg/l	5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 5.0	< 10	< 13	< 33	< 33	< 25	< 25	15 J	< 33 J	< 20
Vinyl chloride	µg/l	2.0	160	2.0	18	< 1.0	71	62	0.94 J	< 1.0	59	210	320	380	720	680	830	750	550	420
Gases																				
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																				
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																				
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	TW-16-02										TW-16-03									
			12-17										9-19									
			4/25/2017	8/2/2017	11/7/2017	2/14/2018	5/11/2018	8/6/2018	10/30/2018	02/26/2019	6/10/2019	9/24/2019	8/3/2017	11/8/2017	2/14/2018	5/11/2018	8/8/2018	10/30/2018	02/25/2019	6/11/2019	9/27/2019	
Semi-volatile Organic Compounds (SVOCs)																						
1,4-Dioxane	µg/l	350	7.2	3.9	5.8	3.9	5.0	2.7	5.3	4.6	2.8	2.2	0.54 J	< 2.0	< 2.0	< 2.0	1.0 J	1.1 J	< 2.0	< 2.0	0.93 J	
Volatile Organic Compounds (VOCs)																						
1,1,1-Trichloroethane	µg/l	200	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
1,1,2,2-Tetrachloroethane	µg/l	35	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
1,1,2-Trichloroethane	µg/l	5.0	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
1,1-Dichloroethane	µg/l	2,500	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	0.44 J	< 6.7	0.43 J	NA	NA	
1,1-Dichloroethene	µg/l	7.0	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	< 250	< 330	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	< 1.0	< 1.0	
1,2,3-Trimethylbenzene	µg/l	NS	< 3,100	< 2,500	< 2,000	< 5,000	< 2,500	< 1,300	< 2,500	< 1,700	NA	NA	< 20	< 17	< 50	< 13	< 10	< 33	< 8.4	NA	NA	
1,2,4-Trichlorobenzene	µg/l	70	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
1,2,4-Trimethylbenzene	µg/l	63	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
1,2-Dibromoethane	µg/l	0.05	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
1,2-Dichlorobenzene	µg/l	600	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
1,2-Dichloroethane	µg/l	5.0	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
1,2-Dichloropropane	µg/l	5.0	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
1,3,5-Trimethylbenzene	µg/l	72	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
1,3-Dichlorobenzene	µg/l	19	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
1,4-Dichlorobenzene	µg/l	75	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
2-Butanone (MEK)	µg/l	38,000	< 6,300	< 5,000	< 4,000	< 10,000	< 5,000	< 2,500	< 5,000	< 3,300	NA	NA	< 40	< 33	< 100	< 25	< 20	< 67	< 17	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 6,300	< 5,000	< 4,000	< 10,000	< 5,000	< 2,500	< 5,000	< 3,300	NA	NA	< 40	< 33	< 100	< 25	< 20	< 67	< 17	NA	NA	
Acetone	µg/l	2,100	< 6,300	< 5,000	< 4,000	< 10,000	< 5,000	< 2,500	< 5,000	< 3,300	NA	NA	< 40	< 33	< 100	< 25	< 20	< 67	< 17	NA	NA	
Benzene	µg/l	5.0	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
Bromodichloromethane	µg/l	80	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
Bromoform	µg/l	80	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
Bromomethane	µg/l	29	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
Carbon Disulfide	µg/l	2,300	< 3,100	< 2,500	< 2,000	< 5,000	< 2,500	< 1,300	< 2,500	< 1,700	NA	NA	< 20	< 17	< 50	< 13	< 10	< 33	< 8.4	NA	NA	
Carbon Tetrachloride	µg/l	5.0	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
CFC-11	µg/l	7,300	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
CFC-12	µg/l	4,800	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
Chlorobenzene	µg/l	100	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
Chlorodibromomethane	µg/l	80	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
Chloroethane	µg/l	1,700	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
Chloroform	µg/l	80	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
Chloromethane	µg/l	1,100	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
cis-1,2-Dichloroethene	µg/l	70	5,200	3,100	6,000	3,500	4,400	4,100	6,900	7,700	3,000	2,800	37	36	40	39	36	42	33	14	35	
cis-1,3-Dichloropropene	µg/l	NS	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
Cyclohexane	µg/l	NS	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
Dichloromethane	µg/l	5.0	1,200 J	< 2,500	< 2,000	< 5,000	< 2,500	< 1,300	< 2,500	< 1,700	NA	NA	< 20	< 17	< 50	< 13	< 10	< 33	< 8.4	NA	NA	
Diethyl ether	µg/l	10	< 1,300	< 1,000	< 800	< 2,000	< 1,000	< 500	< 1,000	< 670	NA	NA	< 8.0	< 6.7	< 20	< 5.0	< 4.0	< 13	< 3.3	NA	NA	
Ethylbenzene	µg/l	74	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
Isopropylbenzene	µg/l	2,300	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
Methyl Acetate	µg/l	NS	< 6,300	< 5,000	< 4,000	< 10,000	< 5,000	< 2,500	< 5,000	< 3,300	NA	NA	< 40	< 33	< 100	< 25	< 20	< 67	< 17	NA	NA	
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 6,300	< 5,000	< 4,000	< 10,000	< 5,000	< 2,500	< 5,000	< 3,300	NA	NA	< 40	< 33	< 100	< 25	< 20	< 67	< 17	NA	NA	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	TW-16-02										TW-16-03									
			12-17										9-19									
			4/25/2017	8/2/2017	11/7/2017	2/14/2018	5/11/2018	8/6/2018	10/30/2018	02/26/2019	6/10/2019	9/24/2019	8/3/2017	11/8/2017	2/14/2018	5/11/2018	8/8/2018	10/30/2018	02/25/2019	6/11/2019	9/27/2019	
Methyl-tert-butylether	µg/l	40	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
Styrene (Monomer)	µg/l	100	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
Tetrachloroethene	µg/l	5.0	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	< 250	< 330	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	< 1.0	< 1.0	
Toluene	µg/l	790	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
Total Xylenes	µg/l	280	< 1,300	< 1,000	< 800	< 2,000	< 1,000	< 500	< 1,000	< 670	NA	NA	< 8.0	< 6.7	< 20	< 5.0	< 4.0	< 13	< 3.3	NA	NA	
trans-1,2-Dichloroethene	µg/l	100	< 630	< 500	< 400	< 1,000	< 500	56 J	< 500	130 J	< 250	< 330	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	< 1.0	< 1.0	
trans-1,3-Dichloropropene	µg/l	NS	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	
Trichloroethene	µg/l	5.0	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	< 250	< 330	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	< 1.0	< 1.0	
Vinyl chloride	µg/l	2.0	15,000	12,000	13,000	9,100	8,500	7,300	12,000	8,900	5,800	7,600	100	77	95	78	76	97	48	20	53	
Gases																						
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other																						
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals																						
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	TW-16-04									
			9-19									
			4/25/2017	8/3/2017	11/8/2017	2/14/2018	5/11/2018	8/8/2018	10/30/2018	02/25/2019	6/11/2019	9/27/2019
Semi-volatile Organic Compounds (SVOCs)												
1,4-Dioxane	µg/l	350	1.7 J	0.81 J	0.89 J	< 2.0	< 2.0	1.2 J	1.5 J	1.2 J	1.1 J	< 2.0
Volatile Organic Compounds (VOCs)												
1,1,1-Trichloroethane	µg/l	200	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
1,1,2,2-Tetrachloroethane	µg/l	35	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	µg/l	170,000	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
1,1,2-Trichloroethane	µg/l	5.0	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
1,1-Dichloroethane	µg/l	2,500	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	0.50 J	< 3.3	< 3.3	NA	NA
1,1-Dichloroethene	µg/l	7.0	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	< 2.5	< 2.5
1,2,3-Trimethylbenzene	µg/l	NS	< 20	< 20	< 33	< 33	< 13	< 5.0	< 17	< 17	NA	NA
1,2,4-Trichlorobenzene	µg/l	70	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
1,2,4-Trimethylbenzene	µg/l	63	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
1,2-Dibromo-3-chloropropane	µg/l	0.2	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
1,2-Dibromoethane	µg/l	0.05	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
1,2-Dichlorobenzene	µg/l	600	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
1,2-Dichloroethane	µg/l	5.0	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
1,2-Dichloropropane	µg/l	5.0	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
1,3,5-Trimethylbenzene	µg/l	72	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
1,3-Dichlorobenzene	µg/l	19	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
1,4-Dichlorobenzene	µg/l	75	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
2-Butanone (MEK)	µg/l	38,000	< 40	< 40	< 67	< 67	< 25	< 10	< 33	< 33	NA	NA
4-Methyl-2-Pentanone (MIBK)	µg/l	5,200	< 40	< 40	< 67	< 67	< 25	< 10	< 33	< 33	NA	NA
Acetone	µg/l	2,100	< 40	< 40	< 67	< 67	< 25	5.5 J	< 33	< 33	NA	NA
Benzene	µg/l	5.0	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
Bromodichloromethane	µg/l	80	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
Bromoform	µg/l	80	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
Bromomethane	µg/l	29	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
Carbon Disulfide	µg/l	2,300	< 20	< 20	< 33	< 33	< 13	< 5.0	< 17	< 17	NA	NA
Carbon Tetrachloride	µg/l	5.0	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
CFC-11	µg/l	7,300	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
CFC-12	µg/l	4,800	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
Chlorobenzene	µg/l	100	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
Chlorodibromomethane	µg/l	80	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
Chloroethane	µg/l	1,700	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
Chloroform	µg/l	80	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
Chloromethane	µg/l	1,100	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
cis-1,2-Dichloroethene	µg/l	70	20	18	23	25	20	21	20	14	14	13
cis-1,3-Dichloropropene	µg/l	NS	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
Cyclohexane	µg/l	NS	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
Dichloromethane	µg/l	5.0	4.4 J	< 20	< 33	< 33	< 13	< 5.0	< 17	< 17	NA	NA
Diethyl ether	µg/l	10	< 8.0	< 8.0	< 13	< 13	< 5.0	< 2.0	< 6.7	< 6.7	NA	NA
Ethylbenzene	µg/l	74	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
Isopropylbenzene	µg/l	2,300	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
Methyl Acetate	µg/l	NS	< 40	< 40	< 67	< 67	< 25	< 10	< 33	< 33	NA	NA
Methyl N-Butyl Ketone (2-Hexanone)	µg/l	2,900	< 40	< 40	< 67	< 67	< 25	< 10	< 33	< 33	NA	NA
Methylcyclohexane	µg/l	NS	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	MDEQ Non-Residential Drinking Water Criteria	TW-16-04									
			9-19									
			4/25/2017	8/3/2017	11/8/2017	2/14/2018	5/11/2018	8/8/2018	10/30/2018	02/25/2019	6/11/2019	9/27/2019
Methyl-tert-butylether	µg/l	40	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
Styrene (Monomer)	µg/l	100	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
Tetrachloroethene	µg/l	5.0	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	< 2.5	< 2.5
Toluene	µg/l	790	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
Total Xylenes	µg/l	280	< 8.0	< 8.0	< 13	< 13	< 5.0	< 2.0	< 6.7	< 6.7	NA	NA
trans-1,2-Dichloroethene	µg/l	100	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	< 2.5	< 2.5
trans-1,3-Dichloropropene	µg/l	NS	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA
Trichloroethene	µg/l	5.0	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	< 2.5	< 2.5
Vinyl chloride	µg/l	2.0	150	120	100	77	65	63	90	65	51	49
Gases												
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other												
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals												
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Notes:
Results are compared to the MDEQ Part 201 Generic Cleanup Criteria, December 31, 2013.
Bold Result denotes exceedance of MDEQ Non-Residential Drinking Water Criteria.
< Denotes not detected above reporting limit.

Abbreviations:
EGLE Michigan Department of Environment, Great Lakes, and Energy
MDEQ Michigan Department of Environmental Quality
ft. bgs feet below ground surface
J estimated result
NA not analyzed/not available
NA* result not reported due to laboratory instrument calibration
NS no standard / not sampled
mg/l milligrams per liter
µg/l micrograms per liter

Analytical Methods:
8260B SIM
8260B

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

Table 3
Off-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-72	668.81	15-20	05/22/17	NP	6.98	19.31	NA	661.83	661.83
			07/24/17	NP	8.60	19.60	NA	660.21	660.21
			11/06/17	NP	9.20	19.54	NA	659.61	659.61
			02/05/18	NP	8.58	19.86	NA	660.23	660.23
			05/07/18	NP	6.83	19.63	NA	661.98	661.98
			08/16/18	NP	8.68	NM	NA	660.13	660.13
			11/19/18	NP	7.72	19.64	NA	661.09	661.09
			02/22/19	NP	7.48	19.61	NA	661.33	661.33
			06/14/19	NP	6.86	19.65	NA	661.95	661.95
MW-72S	668.96	3-13	09/26/19	NP	9.98	19.63	NA	658.83	658.83
			03/05/19	NP	7.56	13.05	NA	661.40	661.40
			06/14/19	NP	7.00	13.03	NA	661.96	661.96
			09/26/19	NP	9.32	13.03	NA	659.64	659.64
MW-73S	666.89	7-12	05/22/17	NP	4.72	11.31	NA	662.17	662.17
			07/24/17	NP	6.38	11.48	NA	660.51	660.51
			11/06/17	NP	6.94	11.42	NA	659.95	659.95
			02/05/18	NP	6.30	11.62	NA	660.59	660.59
			05/07/18	NP	4.77	11.55	NA	662.12	662.12
			08/16/18	NP	6.25	NM	NA	660.64	660.64
			11/19/18	NP	5.45	11.54	NA	661.44	661.44
			12/10/19	Abandoned					
MW-73SR	667.00	2.5-12.5	02/22/19	NP	5.56	12.38	NA	661.44	661.44
			06/14/19	NP	4.80	12.40	NA	662.20	662.20
			09/26/19	NP	6.82	12.49	NA	660.18	660.18
MW-73D	667.08	13.5-18.5	05/22/17	NP	4.98	17.21	NA	662.10	662.10
			07/24/17	NP	6.64	17.47	NA	660.44	660.44
			11/06/17	NP	7.22	17.38	NA	659.86	659.86
			02/05/18	NP	6.54	17.52	NA	660.54	660.54
			05/07/18	NP	5.02	17.36	NA	662.06	662.06
			08/16/18	NP	6.49	NM	NA	660.59	660.59
			11/19/18	NP	5.73	17.35	NA	661.35	661.35
			02/22/19	NP	5.54	17.37	NA	661.54	661.54
			06/14/19	NP	4.79	17.37	NA	662.29	662.29
			09/26/19	NP	7.84	17.39	NA	659.24	659.24
MW-74	668.02	14-19	05/22/17	NP	5.94	18.52	NA	662.08	662.08
			07/24/17	NP	7.47	18.81	NA	660.55	660.55
			11/06/17	NP	8.12	18.76	NA	659.90	659.90
			02/05/18	NP	7.49	18.85	NA	660.53	660.53
			05/07/18	NP	5.95	18.77	NA	662.07	662.07
			08/16/18	NP	7.38	NM	NA	660.64	660.64
			11/19/18	NP	6.25	18.77	NA	661.77	661.77
			02/22/19	NP	6.45	18.76	NA	661.57	661.57
			06/14/19	NP	5.63	18.76	NA	662.39	662.39
			09/26/19	NP	7.48	18.78	NA	660.54	660.54
MW-74S	667.93	3-13	02/22/19	NP	6.44	12.78	NA	661.49	661.49
			06/14/19	NP	5.65	12.77	NA	662.28	662.28
			09/26/19	NP	7.49	12.76	NA	660.44	660.44

See Notes on Last Page.

Table 3
Off-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-75S	666.86	5-10	05/22/17	NP	5.16	9.23	NA	661.70	661.70
			07/24/17	NP	6.15	9.48	NA	660.71	660.71
			11/06/17	NP	6.83	9.43	NA	660.03	660.03
			02/05/18	NP	6.56	9.82	NA	660.30	660.30
			05/07/18	NP	5.08	9.67	NA	661.78	661.78
			08/16/18	NP	5.81	NM	NA	661.05	661.05
			11/19/18	NP	5.47	9.62	NA	661.39	661.39
MW-75SR	666.96	2.5-12.5	12/10/19	Abandoned					
			02/22/19	NP	5.60	12.38	NA	661.36	661.36
			06/14/19	NP	4.63	12.36	NA	662.33	662.33
MW-75D	666.89	12-17	09/26/19	NP	6.26	12.38	NA	660.70	660.70
			05/22/17	NP	5.20	16.59	NA	661.69	661.69
			07/24/17	NP	6.19	16.78	NA	660.70	660.70
			11/06/17	NP	6.81	17.80	NA	660.08	660.08
			02/05/18	NP	6.59	16.83	NA	660.30	660.30
			05/07/18	NP	5.04	16.77	NA	661.85	661.85
			08/16/18	NP	6.09	NM	NA	660.80	660.80
			11/19/18	NP	5.51	17.74	NA	661.38	661.38
			02/22/19	NP	5.72	16.78	NA	661.17	661.17
			06/14/19	NP	4.57	16.74	NA	662.32	662.32
			09/26/19	NP	6.26	16.70	NA	660.63	660.63
MW-76	670.10	15-20	05/22/17	NP	9.43	19.44	NA	660.67	660.67
			07/24/17	NP	10.05	19.73	NA	660.05	660.05
			11/06/17	NP	10.73	19.66	NA	659.37	659.37
			02/05/18	NP	10.89	19.71	NA	659.21	659.21
			05/07/18	NP	9.34	19.64	NA	660.76	660.76
			08/16/18	NP	9.59	NM	NA	660.51	660.51
			11/19/18	NP	9.25	19.60	NA	660.85	660.85
			02/22/19	NP	9.75	19.62	NA	660.35	660.35
			06/14/19	NP	8.56	19.61	NA	661.54	661.54
MW-76S	669.98	4.5-14.5	09/26/19	NP	9.78	19.63	NA	660.32	660.32
			02/22/19	NP	9.64	14.15	NA	660.34	660.34
			06/14/19	NP	8.55	14.50	NA	661.43	661.43
MW-77	660.56	9-14	09/26/19	NP	9.65	14.17	NA	660.33	660.33
			05/22/17	NP	4.59	13.45	NA	655.97	655.97
			07/24/17	NP	5.90	13.75	NA	654.66	654.66
			11/06/17	NP	6.30	13.67	NA	654.26	654.26
			02/05/18	NP	5.43	13.75	NA	655.13	655.13
			05/07/18	NP	4.28	13.70	NA	656.28	656.28
			08/16/18	NP	5.88	NM	NA	654.68	654.68
			11/19/18	NP	4.59	13.69	NA	655.97	655.97
			02/22/19	NP	4.64	13.72	NA	655.92	655.92
MW-77S	660.55	2.5-12.5	06/14/19	NP	4.23	13.71	NA	656.33	656.33
			09/26/19	NP	5.97	13.72	NA	654.59	654.59
			02/22/19	NP	4.53	12.16	NA	656.02	656.02
			06/14/19	NP	4.12	12.14	NA	656.43	656.43
			09/26/19	NP	5.89	12.17	NA	654.66	654.66

See Notes on Last Page.

Table 3
Off-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-78	657.23	7-12	05/22/17	NP	1.78	11.47	NA	655.45	655.45
			07/24/17	NP	3.55	11.79	NA	653.68	653.68
			11/06/17	NP	3.50	11.72	NA	653.73	653.73
			02/05/18	NP	3.09	11.80	NA	654.14	654.14
			05/07/18	NP	1.54	11.75	NA	655.69	655.69
			08/16/18	NP	3.53	NM	NA	653.70	653.70
			11/19/18	NP	1.68	11.71	NA	655.55	655.55
			02/22/19	NP	2.02	11.75	NA	655.21	655.21
MW-78S	657.61	2.5-12.5	06/14/19	NP	1.51	12.38	NA	656.10	656.10
			09/26/19	NP	3.45	12.41	NA	654.16	654.16
MW-79S	663.10	5-10	05/22/17	NP	4.15	9.49	NA	658.95	658.95
			07/24/17	NP	6.37	9.76	NA	656.73	656.73
			11/06/17	NP	6.56	9.71	NA	656.54	656.54
			02/05/18	NP	5.46	9.78	NA	657.64	657.64
			05/07/18	NP	3.49	9.73	NA	659.61	659.61
			08/16/18	NP	6.40	NM	NA	656.70	656.70
			11/19/18	NP	4.50	9.71	NA	658.60	658.60
			12/10/18	Abandoned					
MW-79SR	663.06	2.5-12.5	02/22/19	NP	4.19	12.28	NA	658.87	658.87
			06/14/19	NP	3.50	12.50	NA	659.56	659.56
			09/26/19	NP	6.52	12.26	NA	656.54	656.54
MW-79D	663.35	10-15	05/22/17	NP	4.20	14.38	NA	659.15	659.15
			07/24/17	NP	6.45	14.66	NA	656.90	656.90
			11/06/17	NP	6.62	14.60	NA	656.73	656.73
			02/05/18	NP	5.51	14.69	NA	657.84	657.84
			05/07/18	NP	3.55	14.62	NA	659.80	659.80
			08/16/18	NP	6.49	NM	NA	656.86	656.86
			11/19/18	NP	4.58	14.60	NA	658.77	658.77
			02/22/19	NP	4.33	14.64	NA	659.02	659.02
			06/14/19	NP	3.63	14.62	NA	659.72	659.72
			09/26/19	NP	6.66	14.64	NA	656.69	656.69
MW-80S	656.08	7-12	05/22/17	NP	2.41	11.29	NA	653.67	653.67
			07/24/17	NP	4.19	11.50	NA	651.89	651.89
			11/06/17	NP	3.41	11.53	NA	652.67	652.67
			02/05/18	NP	2.86	11.81	NA	653.22	653.22
			05/07/18	NP	1.23	11.56	NA	654.85	654.85
			08/16/18	NP	4.14	NM	NA	651.94	651.94
			11/19/18	NP	2.17	11.53	NA	653.91	653.91
			12/10/18	Abandoned					
MW-80SR	656.23	2.5-12.5	03/06/19	NP	2.43	12.21	NA	653.80	653.80
			06/14/19	NP	1.39	12.24	NA	654.84	654.84
			09/26/19	NP	4.41	12.24	NA	651.82	651.82

See Notes on Last Page.

Table 3
Off-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-81	657.32	8-13	05/22/17	NP	6.05	12.40	NA	651.27	651.27
			07/24/17	NP	7.24	12.70	NA	650.08	650.08
			11/06/17	NP	8.27	12.63	NA	649.05	649.05
			02/05/18	NP	7.29	12.71	NA	650.03	650.03
			05/07/18	NP	5.98	12.66	NA	651.34	651.34
			08/16/18	NP	7.40	NM	NA	649.92	649.92
			11/19/18	NP	6.62	12.64	NA	650.70	650.70
			02/22/19	NP	6.19	12.67	NA	651.13	651.13
MW-81S	657.67	2.5-12.5	06/14/19	NP	5.18	12.51	NA	652.49	652.49
			09/26/19	NP	7.83	12.52	NA	649.84	649.84
			05/22/17	NP	6.93	13.12	NA	651.70	651.70
			07/24/17	NP	8.24	11.50	NA	650.39	650.39
MW-82S	658.63	9-14	11/06/17	NP	9.08	13.34	NA	649.55	649.55
			02/05/18	NP	8.32	13.44	NA	650.31	650.31
			05/07/18	NP	7.10	13.36	NA	651.53	651.53
			08/16/18	NP	8.38	NM	NA	650.25	650.25
			11/19/18	NP	7.62	13.37	NA	651.01	651.01
			12/10/18	Abandoned					
			02/22/19	NP	7.47	16.12	NA	651.45	651.45
MW-82SR	658.92	5-15	06/14/19	NP	6.85	15.10	NA	652.07	652.07
			09/26/19	NP	8.65	16.12	NA	650.27	650.27
			05/22/17	NP	7.34	22.45	NA	651.11	651.11
MW-82D	658.45	18-23	07/24/17	NP	8.50	22.80	NA	649.95	649.95
			11/06/17	NP	9.41	22.72	NA	649.04	649.04
			02/05/18	NP	8.65	22.81	NA	649.80	649.80
			05/07/18	NP	7.33	22.74	NA	651.12	651.12
			08/16/18	NP	8.49	NM	NA	649.96	649.96
			11/19/18	NP	7.59	22.70	NA	650.86	650.86
			03/06/19	NP	7.65	23.00	NA	650.80	650.80
			06/14/19	NP	7.10	22.70	NA	651.35	651.35
			09/26/19	NP	8.65	22.75	NA	649.80	649.80
			05/22/17	NP	6.46	12.11	NA	653.63	653.63
MW-83	660.09	8-13	07/24/17	NP	7.61	12.44	NA	652.48	652.48
			11/06/17	NP	8.08	12.46	NA	652.01	652.01
			02/05/18	NP	7.53	12.48	NA	652.56	652.56
			05/07/18	NP	6.28	12.43	NA	653.81	653.81
			08/16/18	NP	7.71	NM	NA	652.38	652.38
			11/19/18	NP	6.78	12.38	NA	653.31	653.31
			02/22/19	NP	6.71	12.40	NA	653.38	653.38
			06/14/19	NP	6.25	12.40	NA	653.84	653.84
			09/26/19	NP	7.95	12.41	NA	652.14	652.14
MW-83S	660.26	3-13	02/22/19	NP	6.87	12.80	NA	653.39	653.39
			06/14/19	NP	6.41	12.80	NA	653.85	653.85
			09/26/19	NP	8.12	12.79	NA	652.14	652.14

See Notes on Last Page.

Table 3
Off-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-84	662.50	8-13	05/22/17	NP	3.26	12.28	NA	659.24	659.24
			07/24/17	NP	5.19	12.59	NA	657.31	657.31
			11/06/17	NP	5.54	12.52	NA	656.96	656.96
			02/05/18	NP	4.60	12.60	NA	657.90	657.90
			05/07/18	NP	2.90	12.55	NA	659.60	659.60
			08/16/18	NP	5.22	NM	NA	657.28	657.28
			11/19/18	NP	3.56	12.54	NA	658.94	658.94
			02/22/19	NP	3.50	12.56	NA	659.00	659.00
			06/14/19	NP	2.71	12.50	NA	659.79	659.79
MW-84S	662.69	2.5-12.5	09/26/19	NP	5.38	12.55	NA	657.12	657.12
			02/22/19	NP	3.67	12.71	NA	659.02	659.02
			06/14/19	NP	2.85	12.72	NA	659.84	659.84
			09/26/19	NP	5.54	12.72	NA	657.15	657.15
MW-85	658.85	8-13	05/22/17	NP	4.71	12.43	NA	654.14	654.14
			07/24/17	NP	6.12	12.75	NA	652.73	652.73
			11/06/17	NP	6.34	12.70	NA	652.51	652.51
			02/05/18	NP	5.53	12.76	NA	653.32	653.32
			05/07/18	NP	4.16	12.69	NA	654.69	654.69
			08/16/18	NP	6.12	NM	NA	652.73	652.73
			11/19/18	NP	5.33	12.66	NA	653.52	653.52
			02/22/19	NP	4.75	12.70	NA	654.10	654.10
			06/14/19	NP	4.50	12.70	NA	654.35	654.35
MW-85S	NS	2.5-12.5	09/26/19	NP	6.32	12.69	NA	652.53	652.53
			12/07/18	NP	5.42	12.35	NA	NA	NA
MW-85SR	659.31	4.5-9.5	03/01/19	Abandoned					
			06/14/19	NP	4.70	8.45	NA	654.61	654.61
			09/26/19	NP	6.45	8.45	NA	652.86	652.86
MW-86	666.11	12-17	05/22/17	NP	6.25	16.35	NA	653.06	653.06
			07/24/17	NP	8.07	16.66	NA	651.24	651.24
			11/06/17	NP	8.70	16.58	NA	657.41	657.41
			02/05/18	NP	7.87	16.72	NA	658.24	658.24
			05/07/18	NP	6.03	16.60	NA	660.08	660.08
			08/16/18	NP	8.06	NM	NA	658.05	658.05
			11/19/19	NP	6.66	16.59	NA	659.45	659.45
			02/22/19	NP	6.67	16.61	NA	659.44	659.44
			06/14/19	NP	5.78	16.64	NA	660.33	660.33
MW-86S	666.14	2.5-12.5	09/26/19	NP	8.15	16.61	NA	657.96	657.96
			02/22/19	NP	6.83	12.33	NA	659.31	659.31
			06/14/19	NP	5.93	12.33	NA	660.21	660.21
			09/26/19	NP	8.33	12.36	NA	657.81	657.81

See Notes on Last Page.

Table 3
Off-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-87	668.89	14-19	05/22/17	NP	9.41	18.55	NA	659.48	659.48
			07/24/17	NP	10.65	18.85	NA	658.24	658.24
			11/06/17	NP	11.42	18.79	NA	657.47	657.47
			02/05/18	NP	11.06	18.86	NA	657.83	657.83
			05/07/18	NP	9.39	18.80	NA	659.50	659.50
			08/16/18	NP	10.61	NM	NA	658.28	658.28
			11/19/18	NP	9.68	18.79	NA	659.21	659.21
			11/20/18	NP	6.62	12.86	NA	662.27	662.27
			11/20/18	NP	4.40	12.63	NA	664.49	664.49
			11/20/18	NP	2.38	12.15	NA	666.51	666.51
			11/20/18	NM	NM	NM	NA	NA	NA
			11/20/18	NP	5.14	12.08	NA	663.75	663.75
			11/20/18	NP	6.50	12.02	NA	662.39	662.39
			11/20/18	NP	5.69	12.24	NA	663.20	663.20
			11/20/18	NP	3.58	12.02	NA	665.31	665.31
MW-87S	668.65	4.5-14.5	02/22/19	NP	9.95	14.14	NA	659.10	659.10
			06/14/19	NP	8.75	18.81	NA	660.14	660.14
			09/26/19	NP	10.45	18.83	NA	658.44	658.44
			02/22/19	NP	9.95	14.14	NA	658.70	658.70
MW-96S	662.21	2.5-12.5	06/14/19	NP	8.55	14.12	NA	660.10	660.10
			09/26/19	NP	10.28	14.10	NA	658.37	658.37
			02/22/19	NP	5.13	12.10	NA	657.08	657.08
MW-97S	660.07	2.5-12.5	06/14/19	NP	4.57	12.08	NA	657.64	657.64
			09/26/19	NP	6.74	12.09	NA	655.47	655.47
			03/06/19	NP	4.47	11.96	NA	655.60	655.60
MW-98S	656.10	2.5-12.5	06/14/19	NP	3.96	12.01	NA	656.11	656.11
			09/26/19	NP	5.72	12.01	NA	654.35	654.35
			02/22/19	NP	1.60	12.09	NA	654.50	654.50
MW-99S	667.38	3.0-13.0	06/14/19	NP	0.79	12.10	NA	655.31	655.31
			09/26/19	NP	3.23	12.09	NA	652.87	652.87
			02/22/19	NP	6.00	12.84	NA	661.38	661.38
MW-100S	667.64	3.0-13.0	06/14/19	NP	5.20	12.86	NA	662.18	662.18
			09/26/19	NP	6.89	12.85	NA	660.49	660.49
			02/22/19	NP	6.64	12.90	NA	661.00	661.00
MW-101S	668.82	4.5-14.5	06/14/19	NP	5.53	12.88	NA	662.11	662.11
			09/26/19	NP	6.98	12.89	NA	660.66	660.66
			03/06/19	NP	8.21	14.01	NA	660.61	660.61
MW-102	660.87	10.0-15.0	06/14/19	NP	7.78	14.07	NA	661.04	661.04
			09/26/19	NP	8.33	14.06	NA	660.49	660.49
			02/22/19	NP	1.17	14.65	NA	659.70	659.70
MW-102S	661.01	2.5-12.5	06/14/19	NP	0.70	14.65	NA	660.17	660.17
			09/26/19	NP	3.20	13.64	NA	657.67	657.67
			02/22/19	NP	1.33	12.35	NA	659.68	659.68
MW-105S	661.45	2.5-12.5	06/14/19	NP	0.80	12.35	NA	660.21	660.21
			09/26/19	NP	3.50	12.36	NA	657.51	657.51
			02/22/19	NP	2.88	11.80	NA	658.57	658.57
MW-106S	655.03	2.5-12.5	06/14/19	NP	2.25	11.80	NA	659.20	659.20
			09/26/19	NP	4.70	11.72	NA	656.75	656.75
			02/22/19	NP	2.76	11.70	NA	652.27	652.27
			06/14/19	NP	2.18	11.65	NA	652.85	652.85
			09/26/19	NP	4.49	11.64	NA	650.54	650.54

See Notes on Last Page.

Table 3
Off-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-107S	657.86	2.5-12.5	02/22/19	NP	5.52	12.20	NA	652.34	652.34
			06/14/19	NP	5.11	12.50	NA	652.75	652.75
			09/26/19	NP	6.55	12.16	NA	651.31	651.31
MW-108S	657.54	2.5-12.5	02/22/19	Could Not Locate					
			06/14/19	NP	3.05	12.25	NA	654.49	654.49
			09/26/19	NP	5.09	12.26	NA	652.45	652.45
MW-125	665.81	7.0-12.0	03/14/19	NP	1.05	11.87	NA	664.76	664.76
			06/14/19	NP	1.05	11.87	NA	664.76	664.76
			09/26/19	NP	2.20	11.70	NA	663.61	663.61
MW-125S	665.491	2.0-7.0	06/14/19	NP	1.90	6.86	NA	663.59	663.59
			09/26/19	NP	2.25	6.75	NA	663.24	663.24
MW-129	665.241	10.0-15.0	06/14/19	NP	3.00	14.60	NA	662.24	662.24
MW-129S	664.825		09/26/19	NP	3.60	14.59	NA	661.64	661.64
MW-131S	660.96	2.5-12.5	09/26/19	NP	3.75	6.79	NA	661.08	661.08
			02/22/19	NP	4.13	12.70	NA	656.83	656.83
			06/14/19	NP	6.70	12.65	NA	654.26	654.26
MW-132S	659.86	2.5-12.5	09/26/19	NP	5.88	12.69	NA	655.08	655.08
			02/22/19	NP	5.28	12.38	NA	654.58	654.58
			06/14/19	NP	5.25	12.40	NA	654.61	654.61
MW-133S	657.91	4.0-9.0	09/26/19	NP	6.31	12.39	NA	653.55	653.55
			06/14/19	NP	5.35	8.55	NA	652.56	652.56
MW-134S	658.75	5.0-10.0	09/26/19	NP	7.25	8.55	NA	650.66	650.66
			06/14/19	NP	6.30	9.40	NA	652.45	652.45
MW-135S	657.67	5.0-10.0	09/26/19	NP	8.19	9.46	NA	650.56	650.56
			06/14/19	NP	5.30	9.70	NA	652.37	652.37
MW-136S	655.53	2.0-7.0	09/26/19	NP	7.14	9.68	NA	650.53	650.53
			06/14/19	NP	2.16	7.50	NA	653.37	653.37
MW-137S	656.10	2.0-7.0	09/26/19	NP	4.66	7.15	NA	650.87	650.87
			06/14/19	NP	1.60	7.20	NA	654.50	654.50
MW-138S	653.92	2.0-7.0	09/26/19	NP	4.43	7.10	NA	651.67	651.67
			06/14/19	NP	0.20	5.95	NA	653.72	653.72
MW-139S	660.14	2.0-7.0	09/26/19	NP	2.68	5.97	NA	651.24	651.24
			06/14/19	NP	1.17	6.90	NA	658.97	658.97
MW-140S	662.23	2.0-7.0	09/26/19	NP	4.10	6.90	NA	656.04	656.04
			06/14/19	NP	2.46	6.48	NA	659.77	659.77
MW-141S	663.67	3.0-8.0	09/26/19	NP	5.29	6.46	NA	656.94	656.94
			06/14/19	NP	4.00	7.60	NA	659.67	659.67
MW-142S	657.90	2.5-7.5	09/26/19	NP	7.18	7.68	NA	656.49	656.49
			06/14/19	NP	3.55	6.75	NA	654.35	654.35
MW-186S	657.35	2.5-7.5	09/26/19	NP	5.34	6.75	NA	652.56	652.56
			06/14/19	NP	3.15	7.75	NA	654.20	654.20
MW-187	659.34	8.0-13.0	09/26/19	NP	5.31	7.72	NA	652.04	652.04
			06/14/19	NP	4.75	12.75	NA	654.59	654.59
MW-187S	659.30	3.0-8.0	09/26/19	NP	6.72	12.76	NA	652.62	652.62
			06/14/19	NP	4.75	8.70	NA	654.55	654.55
MW-188S	659.33	3.0-8.0	09/26/19	NP	6.75	8.76	NA	652.55	652.55
			06/14/19	NP	4.35	7.50	NA	654.98	654.98
MW-189	661.10	10.0-15.0	09/26/19	NP	6.12	7.44	NA	653.21	653.21
			06/14/19	NP	4.47	13.98	NA	656.63	656.63
MW-189S	661.15	4.5-9.5	09/26/19	NP	6.40	13.51	NA	654.70	654.70
			06/14/19	NP	4.59	9.12	NA	656.56	656.56
			09/26/19	NP	6.50	9.10	NA	654.65	654.65

See Notes on Last Page.

Table 3
Off-Site Groundwater Elevations
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Well ID	TOC Elevation (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft.)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-190	661.96	9.0-14.0	06/14/19	NP	2.54	13.37	NA	659.42	659.42
			09/26/19	NP	4.50	13.36	NA	657.46	657.46
MW-190S	661.94	2.5-7.5	06/14/19	NP	2.58	6.83	NA	659.36	659.36
			09/26/19	NP	4.51	6.84	NA	657.43	657.43
MW-191S	662.94	2.5-7.5	09/26/19	NP	4.48	6.80	NA	658.46	658.46
MW-192S	654.92	2.5-7.5	06/14/19	NP	1.45	7.70	NA	653.47	653.47
			09/26/19	NP	3.10	7.68	NA	651.82	651.82
MW-193S	663.52	3.0-8.0	09/26/19	NP	5.16	7.34	NA	658.36	658.36

Notes:

Water level measurements collected from top of well casing.

MW-81 and MW-83 were re-surveyed on November 20, 2017 by Geodetic Designs Inc.

MW-193S was surveyed on September 27, 2019 by Geodetic Designs Inc.

Abbreviations:

ft.	feet
ft. amsl	feet above mean sea level
ft. bgs	feet below ground surface
ft. btoc	feet below top of casing
LNAPL	light non-aqueous phase liquid
NA	not applicable
NM	not measured
NP	no product detected
NS	not surveyed
TOC	top of casing

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of EGLE.

Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	Residential Drinking Water Criteria	MW-72 15-20										MW-72S 3-13				MW-73D 13.5-18.5										
			5/22/2017	7/26/2017	11/7/2017	2/6/2018	5/9/2018	8/10/2018	10/22/2018	3/5/2019	5/17/2019	9/23/2019	12/17/2018	3/5/2019	5/8/2019	9/23/2019	5/22/2017	7/26/2017	11/7/2017	2/6/2018	5/9/2018	8/10/2018	10/22/2018	3/4/2019	5/8/2019	9/24/2019	
Semi-volatile Organic Compounds (SVOCs)																											
1,4-Dioxane	µg/l	7.2	1.1 J	0.53 J	0.97 J	0.78 J	0.32 J	1.1 J	1.4 J	0.91 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	3.2	3.1	2.8	1.5 J	3.0	1.9 J	3.8	1.6 J	2.3	3.8	
Volatile Organic Compounds (VOCs)																											
1,1-Dichloroethene	µg/l	7.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	µg/l	70	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	0.45 J	0.50 J	0.43 J	0.35 J	0.56 J	0.19 J	0.30 J	< 1.0	< 1.0	
Tetrachloroethene	µg/l	5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,2-Dichloroethene	µg/l	100	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Trichloroethene	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.20 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.19 J	< 1.0	< 1.0	
Vinyl chloride	µg/l	1.0	3.9	2.9	1.6	1.3	1.5 J	1.2	1.1	1.9	1.7	1.5	< 1.0	0.24 J	< 1.0	< 1.0	1.1	0.85 J	1.3	0.79 J	0.80 J	0.75 J	< 1.0	0.71 J	< 1.0	0.48 J	
Metals																											
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron, Total	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Total	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Anions																											
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon (TOC)																											
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Gases																											
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	Residential Drinking Water Criteria	MW-73S 7-12							MW-73SR 2.5-12.5				MW-74 14-19										
			5/22/2017	7/26/2017	11/7/2017	2/6/2018	5/9/2018	8/10/2018	10/22/2018	12/17/2018	3/4/2019	5/8/2019	9/24/2019	5/23/2017	7/26/2017	11/7/2017	2/6/2018	5/9/2018	8/9/2018	10/22/2018	3/8/2019	5/17/2019	9/18/2019	
Semi-volatile Organic Compounds (SVOCs)																								
1,4-Dioxane	µg/l	7.2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.86 J	0.87 J	< 2.0	< 2.0	< 2.0	< 2.0	1.5 J	1.3 J	0.66 J	0.34 J	1.6 J	2.0	< 2.0	< 2.0	1.4 J	
Volatile Organic Compounds (VOCs)																								
1,1-Dichloroethene	µg/l	7.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	µg/l	70	NA	1.9	1.8	1.3	1.3	1.5	1.7	2.3	2.1	1.8	3.0	NA	< 1.0	< 1.0	0.42 J	0.96 J	0.41 J	0.45 J	0.84 J	1.3	0.62 J	
Tetrachloroethene	µg/l	5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,2-Dichloroethene	µg/l	100	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.20 J	0.43 J	0.25 J	< 1.0	0.35 J	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Trichloroethene	µg/l	1.0	0.40 J	0.48 J	0.48 J	0.33 J	0.38 J	0.51 J	0.46 J	0.29 J	0.23 J	< 1.0	0.34 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/l	1.0	1.6	1.3	1.9	1.1	1.2	0.62 J	0.96 J	1.7	1.5	< 1.0	1.3	< 1.0	2.7	2.4	2.0	0.70 J	2.8	2.2	1.1	< 1.0	1.7	
Metals																								
Iron, Dissolved	µg/l	300	3,900	NA	1,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron, Total	µg/l	300	3,900	NA	1,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/l	50	1,200	NA	940	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Total	µg/l	50	1,200	NA	890	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Anions																								
Nitrate-N	mg/l	10	< 1.0	NA	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/l	250	80	NA	89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon (TOC)																								
Carbon, Dissolved	mg/l	NS	6.1	NA	4.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/l	NS	5.2	NA	4.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Gases																								
Ethane	µg/l	NS	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/l	NS	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/l	NS	NA	NA	24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	Residential Drinking Water Criteria	MW-74S 3-13				MW-75D 12-17									MW-75S 5-10										
			12/21/2018	3/8/2019	5/8/2019	9/18/2019	5/23/2017	7/26/2017	11/8/2017	2/6/2018	5/9/2018	8/9/2018	10/22/2018	3/7/2019	5/15/2019	9/18/2019	5/23/2017	7/26/2017	11/8/2017	2/6/2018	5/9/2018	8/9/2018	10/22/2018	12/18/2018	3/7/2019	
Semi-volatile Organic Compounds (SVOCs)																										
1,4-Dioxane	µg/l	7.2	< 2.0	< 2.0	< 2.0	< 2.0	1.9 J	1.8 J	1.8 J	0.91 J	0.65 J	2.0	2.3	1.5 J	1.5 J	3.3	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Volatile Organic Compounds (VOCs)																										
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	µg/l	70	1.3	0.82 J	0.97 J	1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/l	5.0	< 1.0	0.21 J	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	6.4	3.7	4.9 J	1.9	2.4	1.8	1.7	1.6	1.7	1.6	0.45 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Metals																										
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	NA	330	NA	NA	NA	NA	NA	NA	NA
Iron, Total	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	210	NA	350	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	63	NA	42	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	70	NA	42	NA	NA	NA	NA	NA	NA	NA
Anions																										
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21	NA	8.0 J	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	89	NA	110	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)																										
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.6	NA	13	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.6	NA	13	NA	NA	NA	NA	NA	NA	NA
Gases																										
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.95 J	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,200	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	Residential Drinking Water Criteria	MW-75SR 2.5-12.5				MW-76 15-20											MW-76S 4.5-14.5				
			12/18/2019	3/7/2019	5/9/2019	9/18/2019	5/23/2017	7/26/2017	11/8/2017	2/6/2018	5/10/2018	8/9/2018	10/22/2018	12/21/2018	3/1/2019	5/17/2019	9/17/2019	12/21/2018	3/1/2019	5/8/2019	9/17/2019	
Semi-volatile Organic Compounds (SVOCs)																						
1,4-Dioxane	µg/l	7.2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	1.0 J	< 2.0	<2.0	< 2.0	< 2.0	<2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																						
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	< 1.0	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	NA	3.9	4.0	2.2	2.6	2.2	1.8	< 1.0	1.3	1.2	1.4	<1.0	<1.0	< 1.0	< 1.0	
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0	
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	NA	0.54 J	0.49 J	< 1.0	0.35 J	0.35 J	0.25 J	< 1.0	0.22 J	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0	
Trichloroethene	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	< 1.0	< 1.0	<1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/l	1.0	< 1.0	< 1.0	< 1.0	0.51 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	< 1.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0	
Metals																						
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	340	NA	270	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron, Total	µg/l	300	NA	NA	NA	NA	480	NA	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	760	NA	760	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Total	µg/l	50	NA	NA	NA	NA	800	NA	770	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Anions																						
Nitrate-N	mg/l	10	NA	NA	NA	NA	1.2 J	NA	3.3 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/l	250	NA	NA	NA	NA	120	NA	160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon (TOC)																						
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	1.1	NA	4.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	0.90 J	NA	1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Gases																						
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Date:	Unit	Residential Drinking Water Criteria	MW-77 9-14										MW-77S 2.5-12.5				MW-78 7-12											
			5/25/2017	7/26/2017	11/10/2017	2/8/2018	5/11/2018	8/6/2018	10/23/2018	3/4/2019	5/16/2019	9/17/2019	12/27/2018	3/4/2019	5/16/2019	9/17/2019	5/25/2017	7/25/2017	11/9/2017	2/8/2018	5/8/2018	8/6/2018	10/22/2018	12/19/2018	2/26/2019	5/13/2019	9/19/2019	
Semi-volatile Organic Compounds (SVOCs)																												
1,4-Dioxane	µg/l	7.2	NA	0.32 J	< 2.0	< 2.0	0.27 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.90 J	< 2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																												
1,1-Dichloroethene	µg/l	7.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	µg/l	70	NA	0.67 J	0.73 J	0.66 J	0.54 J	0.61 J	0.74 J	0.60 J	0.39 J	0.66 J	< 1.0	0.30 J	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.28 J	0.26 J	< 1.0	0.22 J	0.19 J	0.22 J
Tetrachloroethene	µg/l	5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,2-Dichloroethene	µg/l	100	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Trichloroethene	µg/l	1.0	0.87 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.17 J	< 1.0	< 1.0	< 1.0	0.22 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/l	1.0	0.51 J	0.45 J	< 1.0	< 1.0	< 1.0	0.24 J	< 1.0	0.48 J	0.24 J	0.35 J	< 1.0	0.20 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Metals																												
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron, Total	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Total	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Anions																												
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon (TOC)																												
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Gases																												
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	Residential Drinking Water Criteria	MW-78S 2.5-12.5				MW-79D 10-15									MW-79S 5-10						MW-79SR 2.5-12.5						
			12/19/2018	2/26/2019	5/13/2019	9/19/2019	5/24/2017	7/25/2017	11/9/2017	2/8/2018	5/8/2018	8/6/2018	10/24/2018	3/7/2019	5/15/2019	9/19/2019	5/24/2017	7/25/2017	11/9/2017	2/8/2018	5/8/2018	8/6/2018	10/30/2018	12/19/2018	3/1/2019	5/15/2019	9/18/2019	
Semi-volatile Organic Compounds (SVOCs)																												
1,4-Dioxane	µg/l	7.2	<2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	0.49 J	0.87 J	0.95 J	< 2.0	0.99 J	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	<2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																												
1,1-Dichloroethene	µg/l	7.0	<1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	µg/l	70	<1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	< 1.0	< 1.0	
Tetrachloroethene	µg/l	5.0	<1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	< 1.0	< 1.0	
trans-1,2-Dichloroethene	µg/l	100	<1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	< 1.0	< 1.0	
Trichloroethene	µg/l	1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	< 1.0	< 1.0	
Vinyl chloride	µg/l	1.0	<1.0	< 1.0	< 1.0	< 1.0	3.2	4.1	3.6	1.9	3.5	2.8	1.3	1.6	2.6	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.56 J	0.53 J	0.36 J	0.40 J
Metals																												
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	990	NA	2,500	NA	NA	NA	NA	NA	NA	NA	NA	
Iron, Total	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,100	NA	2,900	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	110	NA	200	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Total	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	120	NA	200	NA	NA	NA	NA	NA	NA	NA	NA	
Anions																												
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.063 J	NA	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41	NA	69	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon (TOC)																												
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.1	NA	4.9	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.1	NA	4.4	NA	NA	NA	NA	NA	NA	NA	NA	
Gases																												
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.6	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

See Notes on Last Page.

Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	Residential Drinking Water Criteria	MW-82D 18-23										MW-82S 9-14							MW-82SR 5-15				
			5/24/2017	7/25/2017	11/8/2017	2/6/2018	5/10/2018	8/8/2018	10/23/2018	3/6/2019	5/17/2019	9/23/2019	5/24/2017	7/25/2017	11/8/2017	2/6/2018	5/10/2018	8/8/2018	10/23/2018	12/26/2018	3/5/2019	5/17/2019	9/23/2019	
Semi-volatile Organic Compounds (SVOCs)																								
1,4-Dioxane	µg/l	7.2	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																								
1,1-Dichloroethene	µg/l	7.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	µg/l	70	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Tetrachloroethene	µg/l	5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,2-Dichloroethene	µg/l	100	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Trichloroethene	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.16 J	< 1.0	< 1.0	
Vinyl chloride	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.78 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.27 J	< 1.0	< 1.0	
Metals																								
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180	NA	710	NA	NA	NA	NA	NA	NA	NA	NA	
Iron, Total	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	380	NA	720	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	510	NA	390	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Total	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	550	NA	380	NA	NA	NA	NA	NA	NA	NA	NA	
Anions																								
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.10	NA	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	470	NA	270	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon (TOC)																								
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.7	NA	4.8	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1	NA	2.2	NA	NA	NA	NA	NA	NA	NA	NA	
Gases																								
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Date:	Unit	Residential Drinking Water Criteria	MW-83 8-13										MW-83S 3-13				MW-84 8-13										
			5/26/2017	7/25/2017	11/9/2017	2/8/2018	5/11/2018	8/8/2018	10/22/2018	3/5/2019	5/22/2019	9/18/2019	12/26/2018	3/5/2019	5/22/2019	9/18/2019	5/25/2017	7/25/2017	11/9/2017	2/8/2018	5/8/2018	8/6/2018	10/23/2018	2/28/2019	5/21/2019	9/24/2019	
Semi-volatile Organic Compounds (SVOCs)																											
1,4-Dioxane	µg/l	7.2	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.92 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.86 J	< 2.0	< 2.0	< 2.0
Volatile Organic Compounds (VOCs)																											
1,1-Dichloroethene	µg/l	7.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	µg/l	70	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/l	5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	µg/l	100	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.17 J	< 1.0	< 1.0	0.23 J	0.20 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.14 J	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.27 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Metals																											
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anions																											
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)																											
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gases																											
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	Residential Drinking Water Criteria	MW-84S 2.5-12.5				MW-85 8-13										MW-85S 2.5-12.5	MW-85SR 4.5-9.5	
			12/21/2018	2/28/2019	5/9/2019	9/24/2019	5/25/2017	7/25/2017	11/7/2017	2/8/2018	5/8/2018	8/8/2018	10/22/2018	2/26/2019	5/17/2019	9/17/2019	12/21/2018	4/12/2019	9/17/2019
Semi-volatile Organic Compounds (SVOCs)																			
1,4-Dioxane	µg/l	7.2	< 2.0	< 2.0	< 2.0	< 2.0	NA	0.29 J	< 2.0	0.41 J	0.45 J	< 2.0	1.0 J	< 2.0	1.3 J	< 2.0	1.1 J	< 2.0	< 2.0
Volatile Organic Compounds (VOCs)																			
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/l	1.0	< 1.0	< 1.0	< 1.0	0.17 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	8.6	7.3	7.3	5.5	7.5	7.2	5.5	5.5	5.4	6.5	7.8	2.2	2.1
Metals																			
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anions																			
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)																			
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gases																			
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	Residential Drinking Water Criteria	MW-86 12-17										MW-86S 2.5-12.5				MW-87 14-19										
			5/25/2017	7/26/2017	11/10/2017	2/8/2018	5/10/2018	8/6/2018	10/24/2018	2/28/2019	5/21/2019	9/19/2019	12/18/2018	2/28/2019	5/13/2019	9/19/2019	5/23/2017	7/26/2017	11/10/2017	2/8/2018	5/10/2018	8/6/2018	10/23/2018	12/21/2018	2/28/2019	5/21/2019	9/20/2019
Semi-volatile Organic Compounds (SVOCs)																											
1,4-Dioxane	µg/l	7.2	NA	0.99 J	0.87 J	< 2.0	1.2 J	< 2.0	1.4 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.88 J	< 2.0	< 2.0	< 2.0	< 2.0
Volatile Organic Compounds (VOCs)																											
1,1-Dichloroethene	µg/l	7.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	µg/l	70	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/l	5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	µg/l	100	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Metals																											
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anions																											
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)																											
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gases																											
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Date:	Unit	Residential Drinking Water Criteria	MW-87S 4.5-14.5				MW-96S 2.5-12.5				MW-97S 2.5-12.5				MW-98S 2.5-12.5				MW-99S 3-13				MW-100S 3-13					
			12/21/2018	3/1/2019	5/13/2019	9/20/2019	12/18/2018	2/27/2019	5/16/2019	9/20/2019	12/27/2018	3/6/2019	5/10/2019	9/19/2019	12/19/2018	3/6/2019	5/10/2019	9/20/2019	12/21/2018	3/7/2019	5/9/2019	9/16/2019	12/18/2018	2/27/2019	5/9/2019	9/16/2019		
Semi-volatile Organic Compounds (SVOCs)																												
1,4-Dioxane	µg/l	7.2	<2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	1.0 J	< 2.0	< 2.0	< 2.0		
Volatile Organic Compounds (VOCs)																												
1,1-Dichloroethene	µg/l	7.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
cis-1,2-Dichloroethene	µg/l	70	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.21 J	0.94 J	0.57 J	0.89 J	0.30 J	< 1.0	< 1.0	< 1.0	< 1.0		
Tetrachloroethene	µg/l	5.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
trans-1,2-Dichloroethene	µg/l	100	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
Trichloroethene	µg/l	1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
Vinyl chloride	µg/l	1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.42 J	< 1.0	< 1.0	< 1.0	< 1.0	0.43 J	< 1.0	< 1.0	< 1.0	< 1.0	0.28 J	< 1.0	< 1.0	0.22 J	< 1.0	< 1.0	< 1.0
Metals																												
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron, Total	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Total	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Anions																												
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon (TOC)																												
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Gases																												
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Date:	Unit	Residential Drinking Water Criteria	MW-101S 4.5-14.5				MW-102 10-15				MW-102S 2.5-12.5				MW-105S 2.5-12.5				MW-106S 2.5-12.5				MW-107S 2.5-12.5				
			12/21/2018	3/6/2019	5/8/2019	9/16/2019	12/19/2018	2/25/2019	5/17/2019	9/18/2019	12/19/2018	2/25/2019	5/14/2019	9/18/2019	12/26/2018	2/25/2019	5/14/2019	9/16/2019	12/19/2018	2/27/2019	5/16/2019	9/23/2019	12/26/2018	2/27/2019	5/10/2019	9/24/2019	
Semi-volatile Organic Compounds (SVOCs)																											
1,4-Dioxane	µg/l	7.2	< 2.0	< 2.0	< 2.0	< 2.0	1.7 J	1.3 J	1.1 J	1.0 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																											
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Trichloroethene	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/l	1.0	< 1.0	0.58 J	< 1.0	< 1.0	1.6	1.7	1.8	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Metals																											
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron, Total	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Total	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Anions																											
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon (TOC)																											
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Gases																											
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Date:	Unit	Residential Drinking Water Criteria	MW-108S 2.5-12.5				MW-131S 2.5-12.5				MW-132S 2.5-12.5				MW-133S 4-9			MW-134S 5-10			MW-135S 5-10			MW-136S 2-7			
			12/26/2018	2/25/2019	5/14/2019	9/19/2019	12/26/2018	2/26/2019	5/14/2019	9/16/2019	12/26/2018	2/26/2019	5/14/2019	9/16/2019	2/14/2019	5/23/2019	9/17/2019	2/14/2019	5/20/2019	9/17/2019	2/14/2019	5/20/2019	9/16/2019	2/19/2019	5/22/2019	9/18/2019	
Semi-volatile Organic Compounds (SVOCs)																											
1,4-Dioxane	µg/l	7.2	0.90 J	NS	0.93 J	< 2.0	1.0 J	< 2.0	1.3 J	1.3 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																											
1,1-Dichloroethene	µg/l	7.0	< 1.0	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	µg/l	70	< 1.0	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Tetrachloroethene	µg/l	5.0	< 1.0	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,2-Dichloroethene	µg/l	100	< 1.0	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Trichloroethene	µg/l	1.0	< 1.0	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/l	1.0	< 1.0	NS	< 1.0	< 1.0	0.98 J	0.69 J	0.85 J	0.87 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.96 J	
Metals																											
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron, Total	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Total	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2-7	NA	
Anions																											
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon (TOC)																											
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Gases																											
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Location: Screen Interval (ft. bgs): Date:	Unit	Residential Drinking Water Criteria	MW-137S 2-7			MW-138S 2-7			MW-139S 2-7			MW-140S 2-7			MW-141S 3-8			MW-142S 2.5-7.5			MW-192S 2.5-7.5	
			2/23/2019	5/13/2019	9/23/2019	2/19/2019	5/16/2019	9/23/2019	2/26/2019	5/9/2019	9/20/2019	2/26/2019	5/16/2019	9/18/2019	2/27/2019	5/15/2019	9/18/2019	2/25/2019	5/23/2019	9/16/2019	4/11/2019	9/20/2019
Semi-volatile Organic Compounds (SVOCs)																						
1,4-Dioxane	µg/l	7.2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																						
1,1-Dichloroethene	µg/l	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	µg/l	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.34 J	
Tetrachloroethene	µg/l	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,2-Dichloroethene	µg/l	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Trichloroethene	µg/l	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/l	1.0	< 1.0	0.91 J	1.1	1.7	1.6	1.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Metals																						
Iron, Dissolved	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron, Total	µg/l	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Total	µg/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Anions																						
Nitrate-N	mg/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/l	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon (TOC)																						
Carbon, Dissolved	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Gases																						
Ethane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/l	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Notes:
All results are compared to the MDEQ Part 201 Generic Cleanup Criteria, December 31, 2013.

Bolded	Result exceeds residential Drinking Water criteria
<	Result not detected above reporting limit.

Footnote:
* Residential Drinking Water Criteria for 1,4-dioxane is derived from the MDEQ Proposed Rule Changes (September 2016) and Emergency Rules (October 27, 2016).
** Groundwater results for Trichloroethene and Vinyl Chloride are compared to the published MDEQ Remediation and Redevelopment Division Target Detection Limit of 1.0 µg/l.

Abbreviations:
EGLE Michigan Department of Environment, Great Lakes, and Energy
ft. bgs feet below ground surface
J estimated result
MDEQ Michigan Department of Environmental Quality
mg/l milligrams per liter
NA not analyzed
NS no standard / not sampled
µg/l micrograms per liter

Analytical Methods:
8260B
8260 SIM

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

Table 5
Hydraulic Control System Monthly Discharge Volumes
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Date	Approximate Volume of Treated Water Discharged ¥ (Gallons)	Date	Approximate Volume of Treated Water Discharged ¥ (Gallons)	Date	Approximate Volume of Treated Water Discharged ¥ (Gallons)
7/1/2019 ^Q	61,381	8/1/2019	66,205	9/1/2019	37,521
7/2/2019 ^Q	64,524	8/2/2019 ^{QS}	59,242	9/2/2019	38,813
7/3/2019 ^S	58,212	8/3/2019	57,472	9/3/2019 ^{QS}	16,278
7/4/2019	53,713	8/4/2019	57,407	9/4/2019 ^S	0
7/5/2019 ^Q	53,599	8/5/2019 ^{QS}	52,309	9/5/2019 ^S	0
7/6/2019	60,125	8/6/2019	47,749	9/6/2019 ^{QS}	21,649
7/7/2019	57,752	8/7/2019 ^{Q+}	45,925	9/7/2019	56,350
7/8/2019 ^Q	55,475	8/8/2019	45,113	9/8/2019	53,398
7/9/2019	55,856	8/9/2019 ^Q	44,429	9/9/2019	51,896
7/10/2019 ^S	47,168	8/10/2019	43,604	9/10/2019	51,100
7/11/2019 ^S	24,911	8/11/2019	43,218	9/11/2019	50,765
7/12/2019 ^S	2	8/12/2019 ^{QS}	42,321	9/12/2019 ^Q	50,759
7/13/2019 ^S	0	8/13/2019	42,940	9/13/2019	47,024
7/14/2019 ^S	0	8/14/2019	42,077	9/14/2019	44,546
7/15/2019 ^S	0	8/15/2019	41,510	9/15/2019	41,119
7/16/2019 ^S	1	8/16/2019	41,042	9/16/2019 ^Q	39,397
7/17/2019 ^S	1	8/17/2019	40,655	9/17/2019	38,752
7/18/2019 ^S	36,401	8/18/2019	40,252	9/18/2019	38,260
7/19/2019 ^{QS}	60,388	8/19/2019 ^Q	44,482	9/19/2019	37,745
7/20/2019 ^S	4,289	8/20/2019 ^S	50,318	9/20/2019	36,927
7/21/2019	67,707	8/21/2019	50,084	9/21/2019	37,103
7/22/2019 ^{QS}	57,860	8/22/2019	50,601	9/22/2019	36,472
7/23/2019	61,250	8/23/2019 ^{QS}	48,311	9/23/2019 ^Q	35,700
7/24/2019	59,593	8/24/2019	48,737	9/24/2019	35,363
7/25/2019	59,045	8/25/2019	48,132	9/25/2019	34,776
7/26/2019 ^S	28,670	8/26/2019 ^Q	47,570	9/26/2019	34,557
7/27/2019 ^S	39	8/27/2019	47,351	9/27/2019 ^Q	34,426
7/28/2019 ^S	9	8/28/2019	47,212	9/28/2019	34,338
7/29/2019 ^S	0	8/29/2019	45,252	9/29/2019	34,723
7/30/2019 ^S	2	8/30/2019	40,586	9/30/2019 ^Q	34,957
7/31/2019 ^{QS}	33,396	8/31/2019	39,087	--	--
Total volume discharged during July 2019	1,061,369	Total volume discharged during August 2019	1,461,193	Total volume discharged during September 2019	1,104,714

Notes:

Treated groundwater discharge volume readings are recorded daily.

Footnotes:

* Volume of treated groundwater discharged from the hydraulic control system is based on a totalizer flow meter installed on the effluent discharge pipe inside the system building.

* Monthly treated groundwater discharge compliance sample collected as required by the Wastewater Discharge Permit Addendum #1 (Permit No.: 006-27510-IU).

^Q Hydraulic control system inspection visit.

^S System shut down.

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

FIGURES



This document is a DRAFT document that has not received approval from the EGLE. This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.



SITE LOCATION

CITY: Novi DIV: ENV DB: MG PROJECT NUMBER: M001454.0007 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Z: GISProject\EN\Novi\Brighton MI\Ford\Livonia\GIS\docs\GEC1Q_2019\Figure 1 - Site Location Map.mxd PLOTTED: 4/29/2019 9:55:13 PM BY: mayvar7350



0 2,000 4,000
SCALE IN FEET

NOTES:

MEGLE = MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SOURCE:

USGS 7.5 MINUTE TOPOGRAPHIC MAP
NORTHVILLE AND WAYNE QUADRANGLES

FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

SITE LOCATION MAP

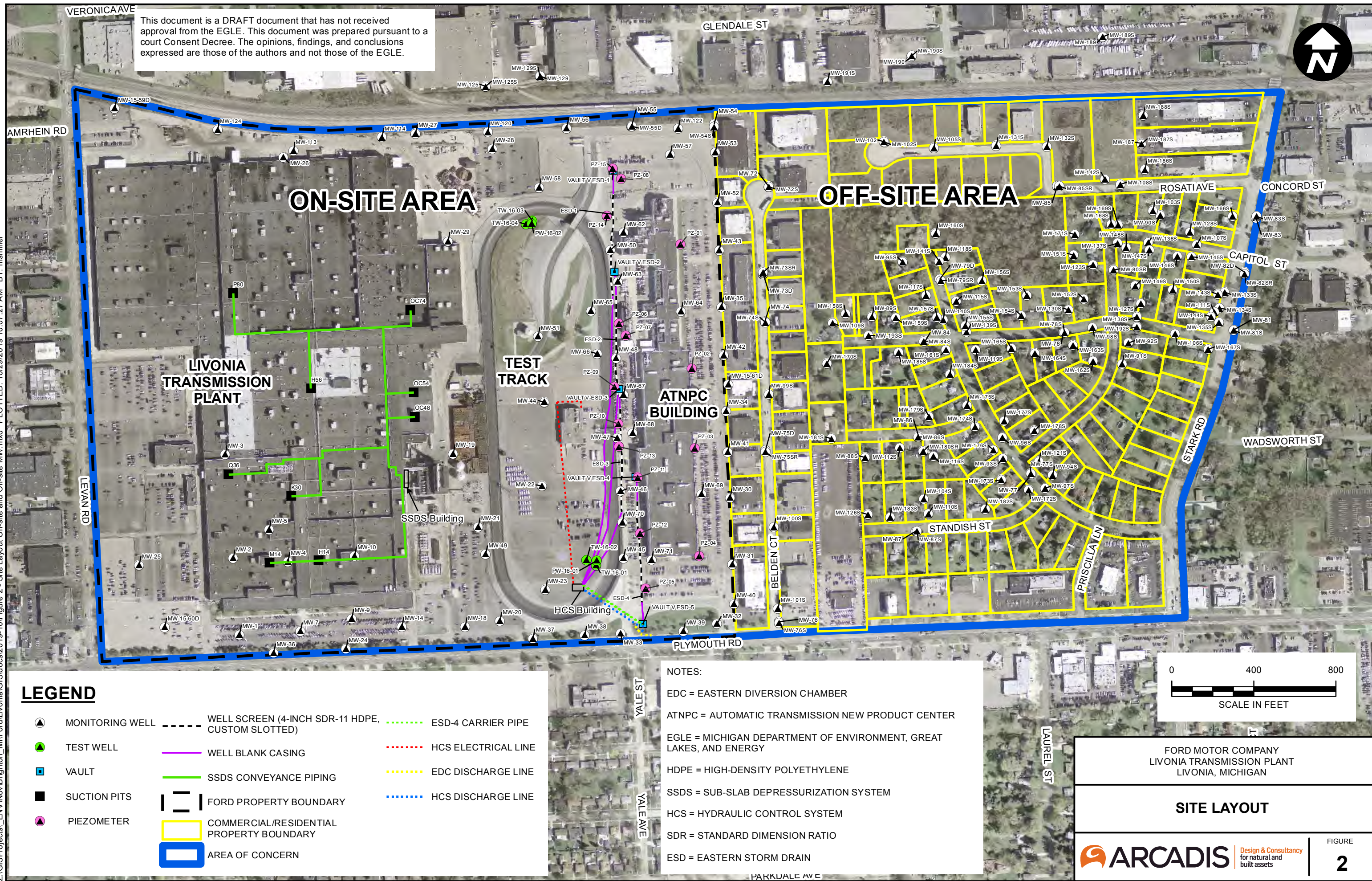
ARCADIS Design & Consultancy
for natural and built assets

FIGURE

1

Copyright: © 2013 National Geographic Society, i-cubed

CITY: Novi DIV: ENV DB: MG PIC: R. ELLIS PM: K. HINSKEY PROJECT NUMBER: 30016352.0004 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet
Z:\GISProjects\ENV\Novi\Brighton_MtFordLivoniaGISdocs2019-10\Figure 2 - Site Layout On-site and Off-site MW.mxd PLOTTED: 10/29/2019 10:07:27 AM BY: msmiller





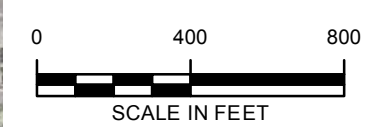
This document is a DRAFT document that has not received approval from the EGLE. This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.

CITY: Novi DIV: ENV DB: MG PIC: R. ELLIS PM: K. HINSKEY PROJECT NUMBER: M001454.0007 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Intl Z:\GISProjects\ENV\Novi\Brighton_MtFord\LivoniaGISdocs2019-11\GW_E_DataposQ3_OnsiteOffsiteSep2019.mxd PLOTTED: 11/5/2019 1:05:04 PM BY: msmiller

LEGEND

- OFFSITE MONITORING WELL
- ONSITE MONITORING WELLS
- PIEZOMETER
- ESD VAULT LOCATIONS
- GROUNDWATER ELEVATION CONTOUR (DASH WHERE INFERRED)
- FLOW DIRECTION
- HYDRAULIC CONTROL SYSTEM PATH LINE
- WELL SCREEN (4-INCH SDR-11 HDPE, CUSTOM SLOTTED)
- FORD PROPERTY BOUNDARY
- PROPERTY BOUNDARY
- WELL NOT USED FOR CONTOURING

NOTES:
1. WHERE NESTED WELLS ARE PRESENT, THE SHALLOW WELL IS USED FOR CONTOURING
2. GROUNDWATER ELEVATIONS MEASURED ON SEPTEMBER 26-30, 2019
3. ALL ELEVATIONS ARE REFERENCED TO A MEAN SEA LEVEL DATUM AND ARE IN UNITS OF FEET ABOVE SEA LEVEL
4. MW-5 AND MW-21 COULD NOT BE RE-SURVEYED AND ARE NOT USED IN CONTOURING.
5. HDPE - HIGH DENSITY POLYETHYLENE

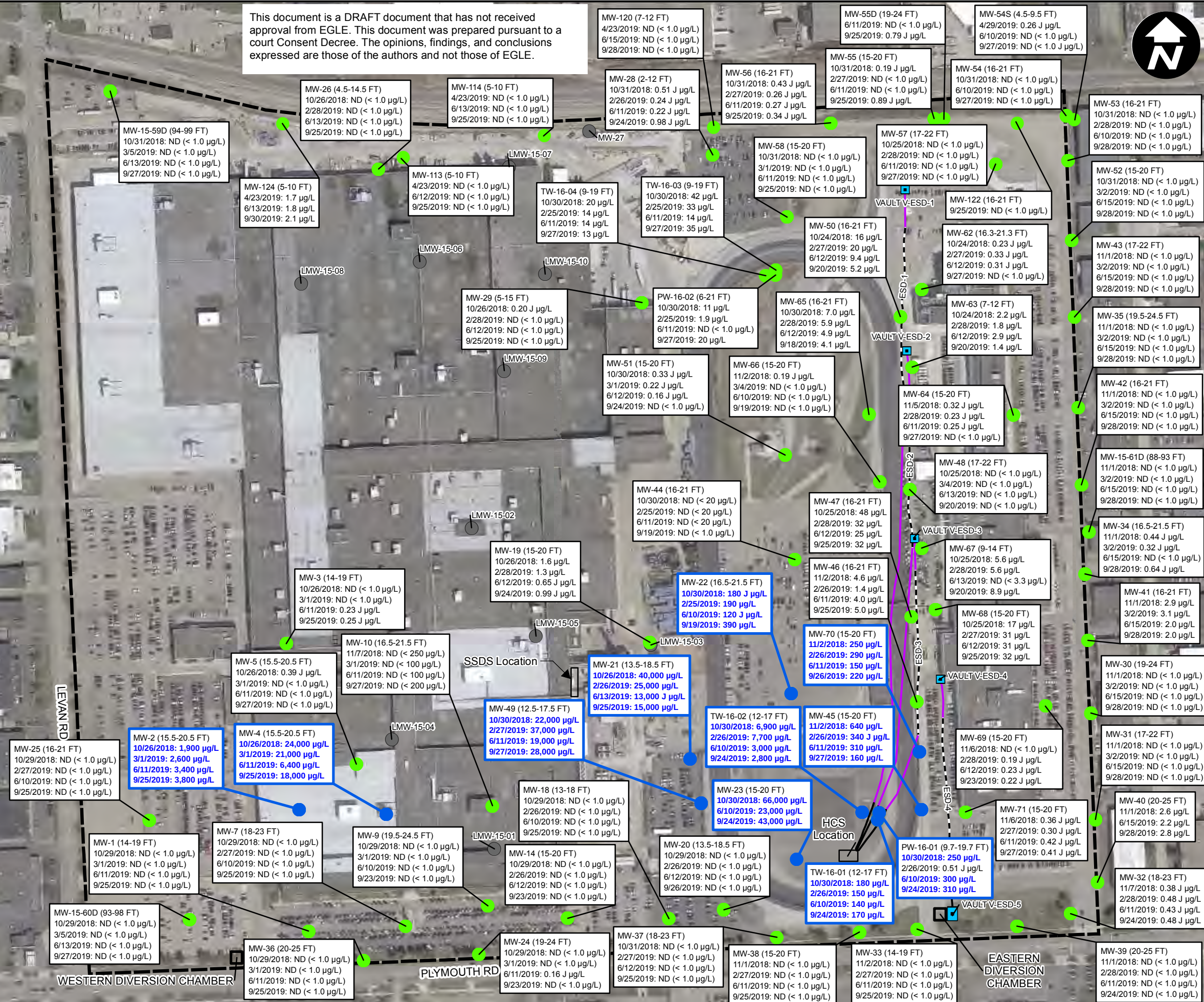


FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

**SITE-WIDE GROUNDWATER ELEVATION
CONTOUR MAP UNDER PUMPING CONDITIONS
SEPTEMBER 2019**

ARCADIS Design & Consultancy
for natural and built assets

This document is a DRAFT document that has not received approval from EGLE. This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of EGLE.



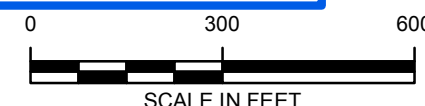
LEGEND

- ON-SITE MONITORING WELL
CIS-1,2-DICHLOROETHENE ≤ 70 µg/L
- ON-SITE MONITORING WELL
CIS-1,2-DICHLOROETHENE > 70 µg/L
- EXCEEDANCE OF THE NONRESIDENTIAL DRINKING WATER CRITERIA FROM PAST AND PRESENT SAMPLING EVENTS
- WELL NOT SAMPLED
- VAULT (2 FT x 2 FT)
- VAULT (4 FT x 6 FT)
- WELL SCREEN (4-INCH SDR-11 HDPE, CUSTOM SLOTTED)
- WELL BLANK CASING (4-INCH SDR-11 HDPE)
- WELL BLANK CASING (6-INCH SDR-11 HDPE)
- FORD PROPERTY BOUNDARY

NOTES:
FIGURE ONLY SHOWS THE FOUR MOST RECENT QUARTERS OF DATA (OCTOBER/NOVEMBER 2018, FEBRUARY/MARCH 2019, APRIL/JUNE 2019, AND SEPTEMBER 2019). FULL SET OF DATA CAN BE FOUND IN THE CORRESPONDING TABLES.

µg/L - MICROGRAMS PER LITER (PARTS PER BILLION)
≤ - LESS THAN OR EQUAL TO
> - GREATER THAN
THE NONRESIDENTIAL DRINKING WATER CRITERIA FOR CIS-1,2-DICHLOROETHENE IS 70 µg/L.
FT = FEET BELOW GROUND SURFACE
"ND", "<" INDICATES VALUE IS BELOW THE LABORATORY REPORTING LIMIT FOR CIS-1,2-DICHLOROETHENE.
J = ESTIMATED RESULT
MW = MONITORING WELL
LMW = LIGHT NON-AQUEOUS PHASE LIQUID MONITORING WELL
EGLE = MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
HDPE = HIGH-DENSITY POLYETHYLENE
SSDS = SUB-SLAB DEPRESSURIZATION SYSTEM
HCS = HYDRAULIC CONTROL SYSTEM

BLUE BOX INDICATES EXCEEDANCE OF THE NONRESIDENTIAL DRINKING WATER CRITERIA ASSOCIATED WITH THE MOST RECENT SAMPLING EVENT POSSIBLE



FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

**ON-SITE MONITORING WELLS
CIS-1,2-DICHLOROETHENE IN GROUNDWATER**

ARCADIS
Design & Consultancy
for natural and built assets

FIGURE
4

This document is a DRAFT document that has not received approval from EGLE. This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of EGLE.

LEGEND

- ON-SITE MONITORING WELL
TRANS-1,2-DICHLOROETHENE ≤ 100 $\mu\text{g/L}$
- ON-SITE MONITORING WELL
TRANS-1,2-DICHLOROETHENE > 100 $\mu\text{g/L}$
- EXCEEDANCE OF THE NONRESIDENTIAL
DRINKING WATER CRITERIA FROM PAST
AND PRESENT SAMPLING EVENTS
- WELL NOT SAMPLED
- VAULT (2 FT x 2 FT)
- VAULT (4 FT x 6 FT)
- WELL SCREEN (4-INCH SDR-11 HDPE,
CUSTOM SLOTTED)
- WELL BLANK CASING (4-INCH SDR-11 HDPE)
- WELL BLANK CASING (6-INCH SDR-11 HDPE)
- FORD PROPERTY BOUNDARY

NOTES:
FIGURE ONLY SHOWS THE FOUR MOST RECENT QUARTERS OF
DATA (OCTOBER/NOVEMBER 2018, FEBRUARY/MARCH 2019,
APRIL/JUNE 2019, AND SEPTEMBER 2019). FULL SET OF DATA CAN
BE FOUND IN THE CORRESPONDING TABLES.

$\mu\text{g/L}$ - MICROGRAMS PER LITER (PARTS PER BILLION)

$\leq$ - LESS THAN OR EQUAL TO

$>$ - GREATER THAN

THE NONRESIDENTIAL DRINKING WATER CRITERIA FOR TRANS-
1,2-DICHLOROETHENE IS 100 $\mu\text{g/L}$.

FT = FEET BELOW GROUND SURFACE

"ND", "<" INDICATES VALUE IS BELOW THE LABORATORY
REPORTING LIMIT FOR TRANS-1,2-DICHLOROETHENE.

J = ESTIMATED RESULT

MW = MONITORING WELL

LMW = LIGHT NON-AQUEOUS PHASE LIQUID MONITORING WELL

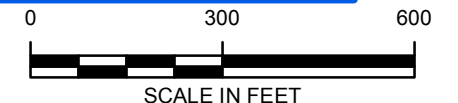
EGLE = MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT
LAKES, AND ENERGY

HDPE = HIGH-DENSITY POLYETHYLENE

SSDS = SUB-SLAB DEPRESSURIZATION SYSTEM

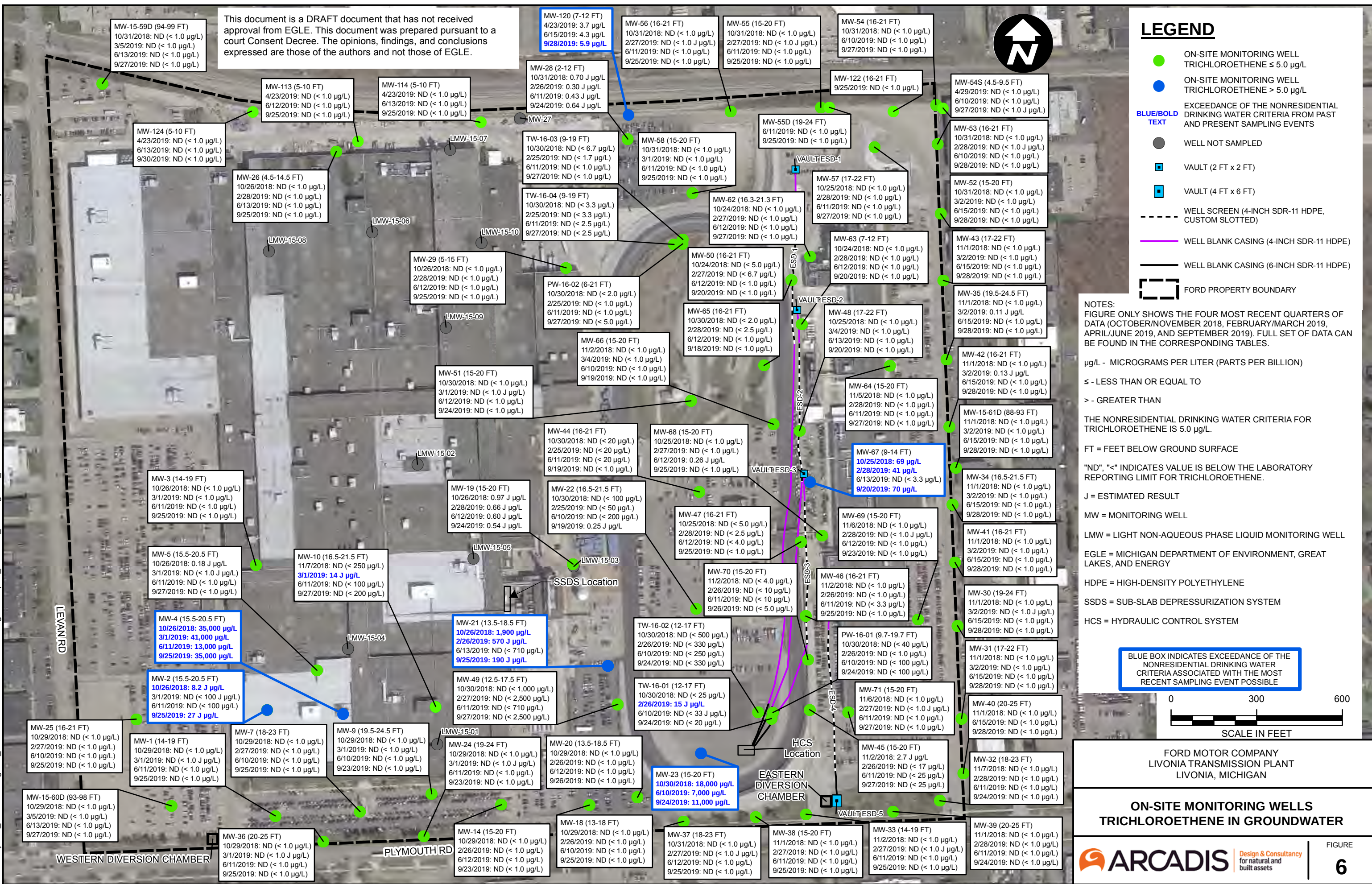
HCS = HYDRAULIC CONTROL SYSTEM

BLUE BOX INDICATES EXCEEDANCE OF THE
NONRESIDENTIAL DRINKING WATER
CRITERIA ASSOCIATED WITH THE MOST
RECENT SAMPLING EVENT POSSIBLE

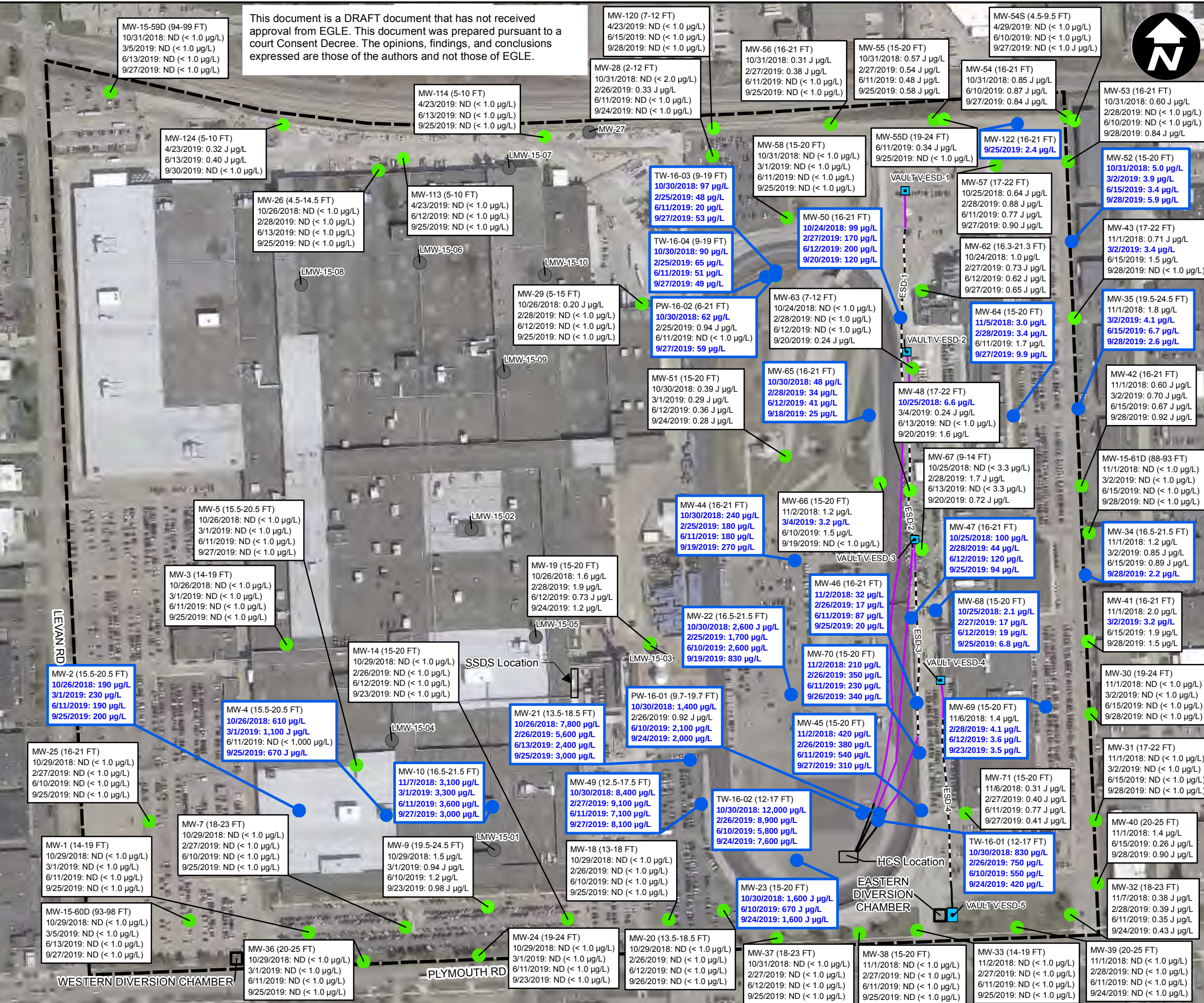


FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

ON-SITE MONITORING WELLS TRANS-1,2-DICHLOROETHENE IN GROUNDWATER



This document is a DRAFT document that has not received approval from EGLE. This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of EGLE.



LEGEND

- ON-SITE MONITORING WELL VINYL CHLORIDE ≤ 2.0 $\mu\text{g/L}$
- ON-SITE MONITORING WELL VINYL CHLORIDE > 2.0 $\mu\text{g/L}$
- EXCEEDANCE OF THE NONRESIDENTIAL DRINKING WATER CRITERIA FROM PAST AND PRESENT SAMPLING EVENTS
- WELL NOT SAMPLED
- VAULT (2 FT x 2 FT)
- VAULT (4 FT x 6 FT)
- WELL SCREEN (4-INCH SDR-11 HDPE, CUSTOM SLOTTED)
- WELL BLANK CASING (4-INCH SDR-11 HDPE)
- WELL BLANK CASING (6-INCH SDR-11 HDPE)
- FORD PROPERTY BOUNDARY

NOTES:
FIGURE ONLY SHOWS THE FOUR MOST RECENT QUARTERS OF DATA (OCTOBER/NOVEMBER 2018, FEBRUARY/MARCH 2019, APRIL/JUNE 2019, AND SEPTEMBER 2019). FULL SET OF DATA CAN BE FOUND IN THE CORRESPONDING TABLES.

$\mu\text{g/L}$ - MICROGRAMS PER LITER (PARTS PER BILLION)

$\leq$ - LESS THAN OR EQUAL TO

$>$ - GREATER THAN

THE NONRESIDENTIAL DRINKING WATER CRITERIA FOR VINYL CHLORIDE IS 2.0 $\mu\text{g/L}$.

FT = FEET BELOW GROUND SURFACE

"ND", "<" INDICATES VALUE IS BELOW THE LABORATORY REPORTING LIMIT FOR VINYL CHLORIDE.

J = ESTIMATED RESULT

MW = MONITORING WELL

LMW = LIGHT NON-AQUEOUS PHASE LIQUID MONITORING WELL

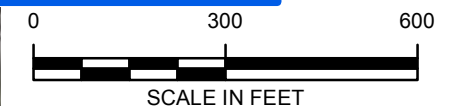
EGLE = MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

HDPE = HIGH-DENSITY POLYETHYLENE

SSDS = SUB-SLAB DEPRESSURIZATION SYSTEM

HCS = HYDRAULIC CONTROL SYSTEM

BLUE BOX INDICATES EXCEEDANCE OF THE NONRESIDENTIAL DRINKING WATER CRITERIA ASSOCIATED WITH THE MOST RECENT SAMPLING EVENT POSSIBLE



FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

ON-SITE MONITORING WELLS VINYL CHLORIDE IN GROUNDWATER

This document is a DRAFT document that has not received approval from EGLE. This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of EGLE.

LEGEND

- ON-SITE MONITORING WELL
1,4-DIOXANE ≤ 350 µg/L
- WELL NOT SAMPLED
- VAULT (2 FT x 2 FT)
- VAULT (4 FT x 6 FT)
- WELL SCREEN (4-INCH SDR-11 HDPE, CUSTOM SLOTTED)
- WELL BLANK CASING (4-INCH SDR-11 HDPE)
- WELL BLANK CASING (6-INCH SDR-11 HDPE)
- FORD PROPERTY BOUNDARY

NOTES:
FIGURE ONLY SHOWS THE FOUR MOST RECENT QUARTERS OF DATA (OCTOBER/NOVEMBER 2018, FEBRUARY/MARCH 2019, APRIL/JUNE 2019, AND SEPTEMBER 2019). FULL SET OF DATA CAN BE FOUND IN THE CORRESPONDING TABLES.

µg/L - MICROGRAMS PER LITER (PARTS PER BILLION)

≤ - LESS THAN OR EQUAL TO

> - GREATER THAN

THE NONRESIDENTIAL DRINKING WATER CRITERIA FOR 1,4-DIOXANE IS 350 µg/L.

FT = FEET BELOW GROUND SURFACE

"ND", "<" INDICATES VALUE IS BELOW THE LABORATORY REPORTING LIMIT FOR 1,4-DIOXANE.

J = ESTIMATED RESULT

MW = MONITORING WELL

LMW = LIGHT NON-AQUEOUS PHASE LIQUID MONITORING WELL

EGLE = MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

HDPE = HIGH-DENSITY POLYETHYLENE

SSDS = SUB-SLAB DEPRESSURIZATION SYSTEM

HCS = HYDRAULIC CONTROL SYSTEM

STANDISH ST



FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

ON-SITE MONITORING WELLS 1,4-DIOXANE IN GROUNDWATER

This document is a DRAFT document that has not received approval from EGLE. This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of EGLE.



LEGEND

- PROPERTY BOUNDARY
- FORD PROPERTY BOUNDARY
- OFF-SITE MONITORING WELL
1,4-DIOXANE ≤ 7.2 µg/L

NOTES:
FIGURE ONLY SHOWS THE FOUR MOST RECENT QUARTERS OF DATA (OCTOBER/DECEMBER 2018, FEBRUARY/MARCH 2019, APRIL/MAY 2019, AND SEPTEMBER 2019). FULL SET OF DATA CAN BE FOUND IN THE CORRESPONDING TABLES.

µg/L - MICROGRAMS PER LITER (PARTS PER BILLION)
≤ - LESS THAN OR EQUAL TO
> - GREATER THAN
THE SITE SPECIFIC RESIDENTIAL DRINKING WATER CRITERIA FOR 1,4-DIOXANE IS 7.2 µg/L.
FT = FEET BELOW GROUND SURFACE
J = ESTIMATED CONCENTRATION ABOVE THE METHOD DETECTION LIMIT AND BELOW THE REPORTING LIMIT.
"ND", "<" INDICATES VALUE IS BELOW THE LABORATORY REPORTING LIMIT FOR 1,4-DIOXANE.
MW = MONITORING WELL
EGLE = MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY



OFF-SITE MONITORING WELLS 1,4-DIOXANE IN GROUNDWATER



This document is a DRAFT document that has not received approval from EGLE. This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of EGLE.

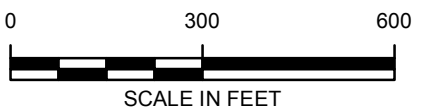


LEGEND

- PROPERTY BOUNDARY
- FORD PROPERTY BOUNDARY
- OFF-SITE MONITORING WELL TRICHLOROETHENE $\leq 1.0 \mu\text{g/L}$

NOTES:
FIGURE ONLY SHOWS THE FOUR MOST RECENT QUARTERS OF DATA (OCTOBER/DECEMBER 2018, FEBRUARY/MARCH 2019, APRIL/MAY 2019, AND SEPTEMBER 2019). FULL SET OF DATA CAN BE FOUND IN THE CORRESPONDING TABLES.

$\mu\text{g/L}$ - MICROGRAMS PER LITER (PARTS PER BILLION)
 $\leq$ - LESS THAN OR EQUAL TO
THE PUBLISHED 2016 MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY REMEDIATION AND REDEVELOPMENT DIVISION TARGET DETECTION LIMIT FOR TRICHLOROETHENE IS $1.0 \mu\text{g/L}$.
FT = FEET BELOW GROUND SURFACE
J = ESTIMATED CONCENTRATION ABOVE THE METHOD DETECTION LIMIT AND BELOW THE REPORTING LIMIT.
"ND", "<" INDICATES VALUE IS BELOW THE LABORATORY REPORTING LIMIT FOR TRICHLOROETHENE.
EGLE = MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
MW = MONITORING WELL
NS = NOT SAMPLED



FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

**OFF-SITE MONITORING WELLS
TRICHLOROETHENE IN GROUNDWATER**

ARCADIS Design & Consultancy
for natural and built assets

FIGURE
10

This document is a DRAFT document that has not received approval from EGLE. This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of EGLE.



LEGEND

- PROPERTY BOUNDARY
- FORD PROPERTY BOUNDARY
- OFF-SITE MONITORING WELL
VINYL CHLORIDE $\leq$ 1.0 $\mu\text{g/L}$
- OFF-SITE MONITORING WELL
VINYL CHLORIDE $>$ 1.0 $\mu\text{g/L}$
- EXCEEDANCE OF THE TDL FROM
PAST AND PRESENT SAMPLING EVENTS

NOTES:
FIGURE ONLY SHOWS THE FOUR MOST RECENT QUARTERS OF DATA (OCTOBER/DECEMBER 2018, FEBRUARY/MARCH 2019, APRIL/MAY 2019, AND SEPTEMBER 2019). FULL SET OF DATA CAN BE FOUND IN THE CORRESPONDING TABLES.

$\mu\text{g/L}$ - MICROGRAMS PER LITER (PARTS PER BILLION)

$\leq$ - LESS THAN OR EQUAL TO

$>$ - GREATER THAN

TDL - TARGET DETECTION LIMIT

THE PUBLISHED 2016 THE MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY REMEDIATION AND REDEVELOPMENT DIVISION TARGET DETECTION LIMIT FOR VINYL CHLORIDE IS 1.0 $\mu\text{g/L}$.

FT = FEET BELOW GROUND SURFACE

J = ESTIMATED CONCENTRATION ABOVE THE METHOD DETECTION LIMIT AND BELOW THE REPORTING LIMIT.

"ND", "<" INDICATES VALUE IS BELOW THE LABORATORY REPORTING LIMIT FOR VINYL CHLORIDE.

MW = MONITORING WELL

EGLE = MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

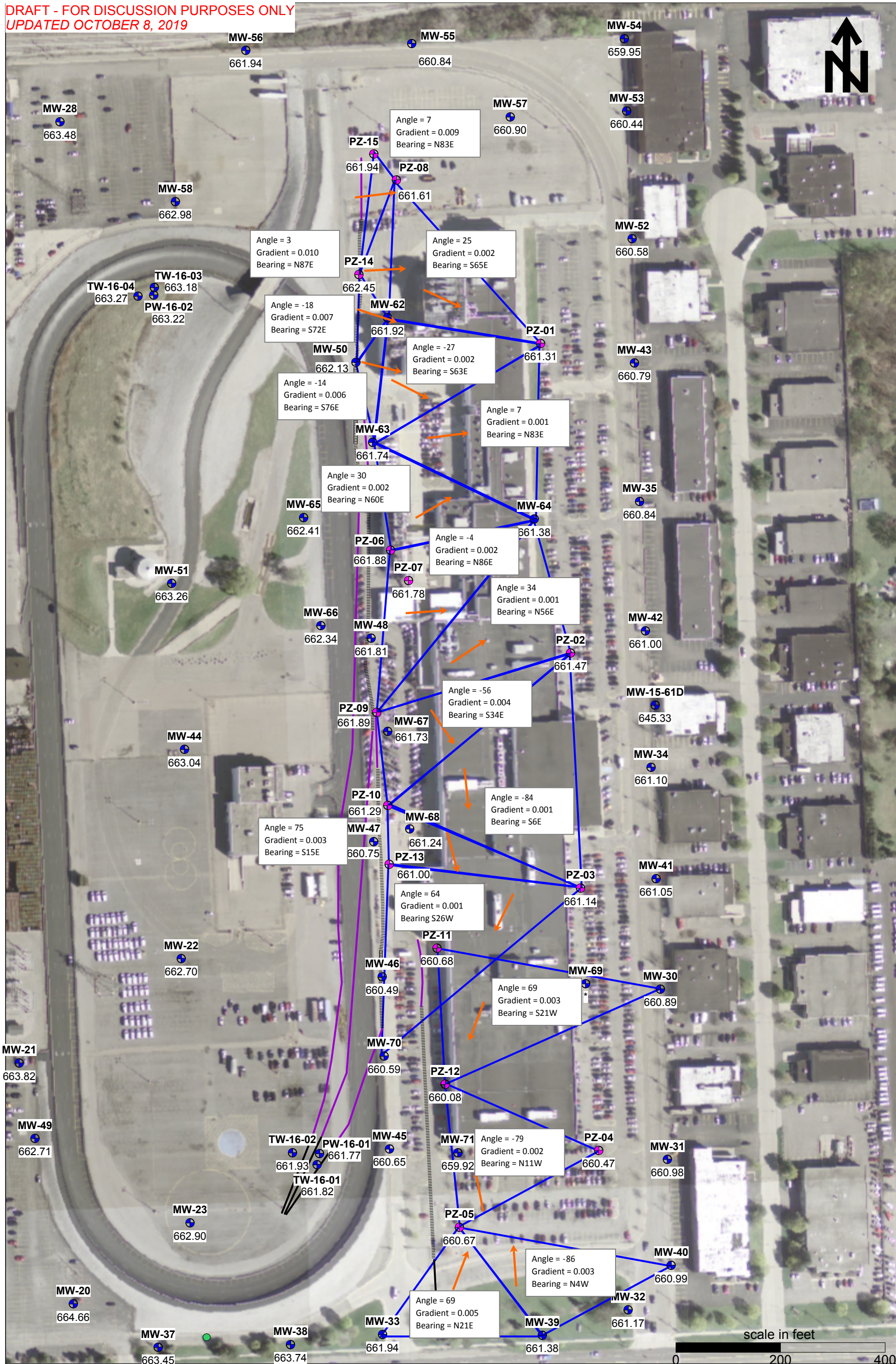
BLUE BOX INDICATES EXCEEDANCE OF THE TARGET DETECTION LIMIT FOR VINYL CHLORIDE ASSOCIATED WITH THE MOST RECENT SAMPLING EVENT POSSIBLE



FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

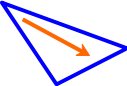
OFF-SITE MONITORING WELLS VINYL CHLORIDE IN GROUNDWATER

DRAFT - FOR DISCUSSION PURPOSES ONLY
UPDATED OCTOBER 8, 2019



LEGEND:

- MW-32** LOCATION ID
 MONITORING WELL
 PIEZOMETER
661.63 GROUNDWATER ELEVATION (ft amsl)

 WELL TRIPLET PLANE WITH
HYDRAULIC GRADIENT DIRECTION

-  WELL SCREEN (4-INCH SDR-11 HDPE,
CUSTOM SLOTTED)
 WELL BLANK CASING (4-INCH HDPE)
 WELL BLANK CASING (6-INCH HDPE)

- Notes:
1. All elevations collected on September 26-30, 2019 and measured from top of well casing.
2. All elevations are referenced to a mean sea level datum and are in units of feet above sea level (ft amsl).
3. NM - not measured
4. HDPE - high density polyethylene
5. * - well not gauged

FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

HYDRAULIC GRADIENT MAP
SEPTEMBER 2019



FIGURE

12

APPENDICES



APPENDIX A

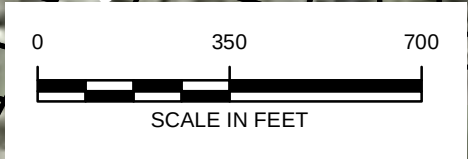
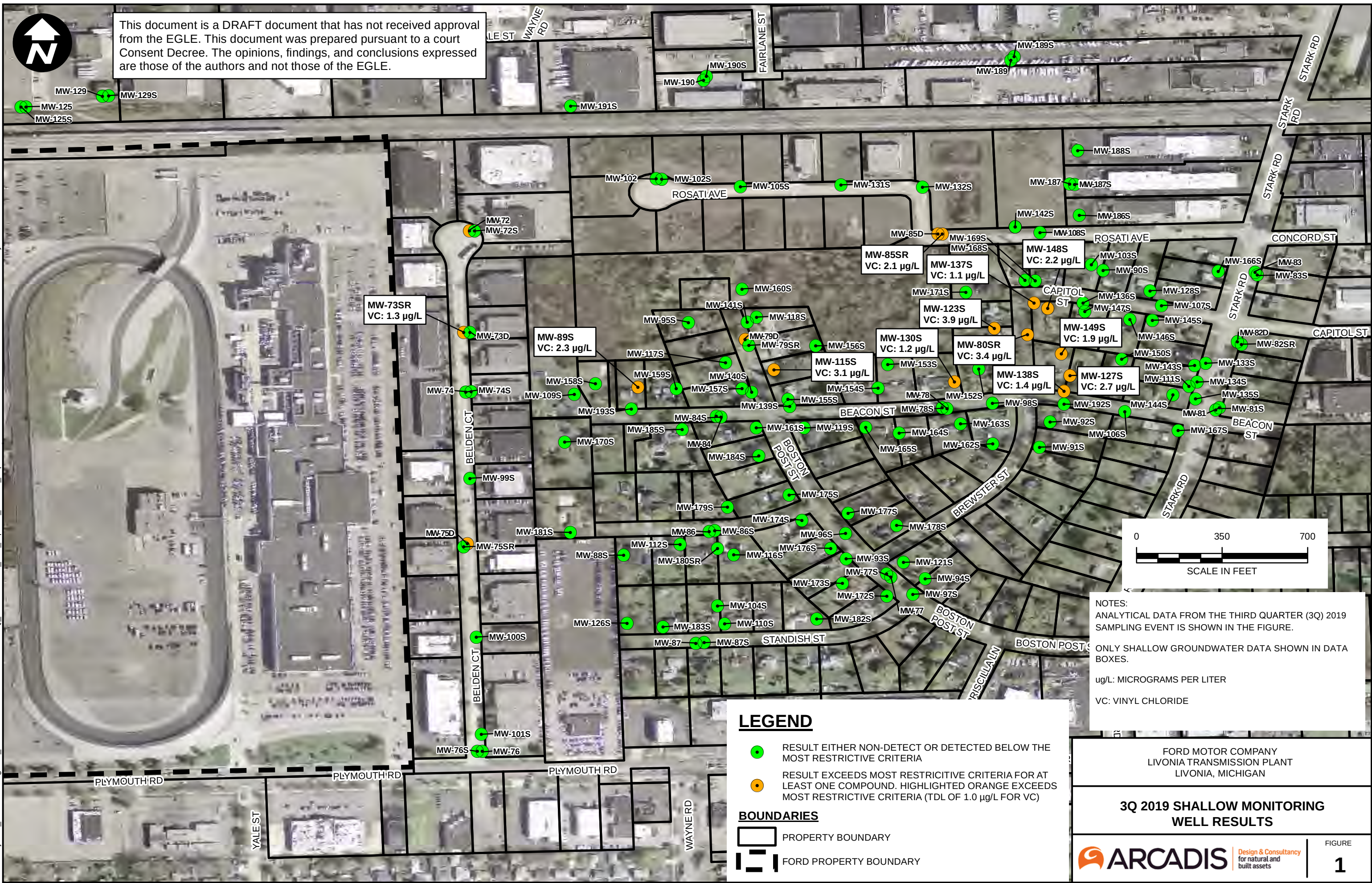
Off-Site Residential Monitoring Wells



CITY: Novi DIV: ENV DB: MG PIC: R. ELLIS PM: K. HINSKEY PROJECT NUMBER: M001454.0007 COORDINATE SYSTEM: GCS North American 1983 Z:\GIS\Projects\ ENV\Novi\Brighton_MNFordLivonia\GIS\docs\GEC3Q_2019\Shallow MW_3q2019 Results_10p15.mxd PLOTTED: 11/3/2019 11:13:39 PM BY: Sharma\h4948



This document is a DRAFT document that has not received approval from the EGLE. This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of the EGLE.



NOTES:
ANALYTICAL DATA FROM THE THIRD QUARTER (3Q) 2019 SAMPLING EVENT IS SHOWN IN THE FIGURE.
ONLY SHALLOW GROUNDWATER DATA SHOWN IN DATA BOXES.
µg/L: MICROGRAMS PER LITER
VC: VINYL CHLORIDE

LEGEND

- RESULT EITHER NON-DETECT OR DETECTED BELOW THE MOST RESTRICTIVE CRITERIA
- RESULT EXCEEDS MOST RESTRICTIVE CRITERIA FOR AT LEAST ONE COMPOUND. HIGHLIGHTED ORANGE EXCEEDS MOST RESTRICTIVE CRITERIA (TDL OF 1.0 µg/L FOR VC)

BOUNDARIES

- PROPERTY BOUNDARY
- ▬ FORD PROPERTY BOUNDARY

FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

**3Q 2019 SHALLOW MONITORING
WELL RESULTS**

ARCADIS Design & Consultancy
for natural and built assets

FIGURE
1

Appendix A – Summary of Off-Site Shallow Groundwater Sampling Results
3Q 2019
Ford Livonia Transmission Plant

Location: Date: Screen Interval (ft. bgs):				MW-72 9/23/2019 15-20	MW-72S 9/23/2019 3-13	MW-73D 9/24/2019 13.5-18.5	MW-73SR 9/24/2019 2.5-12.5	MW-74 9/18/2019 14-19	MW-74S 9/18/2019 3-13	MW-75D 9/18/2019 12-17	MW-75SR 9/18/2019 2.5-12.5	MW-76 9/17/2019 15-20	MW-76S 9/17/2019 4.5-14.5	MW-77 9/17/2019 9-14	MW-77S 9/17/2019 2.5-12.5	MW-78 9/19/2019 7-12	MW-78S 9/19/2019 2.5-12.5	MW-79D 9/19/2019 10-15
Analytic Method	Chemical Name	Ford LTP Offsite Res DW	MI GW (EGLE2018) NON- RES DW															
SW8468260BBYSIM	1,4-Dioxane	7.2	350	< 2.0	< 2.0	3.8	< 2.0	1.4 J	< 2.0	3.3	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
SW8260B	1,1-Dichloroethene	7.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	cis-1,2-Dichloroethene	70	70	< 1.0	< 1.0	< 1.0	3.0	0.62 J	1.0	< 1.0	< 1.0	1.4	< 1.0	0.66 J	< 1.0	0.22 J	< 1.0	< 1.0
SW8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0	< 1.0	0.35 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Trichloroethene	1.0	5.0	< 1.0	< 1.0	< 1.0	0.34 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Vinyl chloride	1.0	2.0	1.5	< 1.0	0.48 J	1.3	1.7	< 1.0	1.6	0.51 J	< 1.0	< 1.0	0.35 J	< 1.0	< 1.0	< 1.0	1.5

Location: Date: Screen Interval (ft. bgs):				MW-79SR 9/18/2019 2.5-12.5	MW-80SR 9/23/2019 2.5-12.5	MW-81 9/19/2019 8-13	MW-81S 9/19/2019 2.5-12.5	MW-82D 9/23/2019 18-23	MW-82SR 9/23/2019 5-15	MW-83 9/18/2019 8-13	MW-83S 9/18/2019 3-13	MW-84 9/24/2019 8-13	MW-84S 9/24/2019 2.5-12.5	MW-85 9/17/2019 8-13	MW-85SR 9/17/2019 4.5-9.5	MW-86 9/19/2019 12-17	MW-86S 9/19/2019 2.5-12.5	MW-87 9/20/2019 14-19
Analytic Method	Chemical Name	Ford LTP Offsite Res DW	MI GW (EGLE2018) NON- RES DW															
SW8468260BBYSIM	1,4-Dioxane	7.2	350	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
SW8260B	1,1-Dichloroethene	7.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	cis-1,2-Dichloroethene	70	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Trichloroethene	1.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.17 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Vinyl chloride	1.0	2.0	0.40 J	3.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	6.5	2.1	< 1.0	< 1.0	< 1.0

Location: Date: Screen Interval (ft. bgs):				MW-87S 9/20/2019 4.5-14.5	MW-88S 9/17/2019 3-13	MW-89S 9/24/2019 3-13	MW-90S 9/20/2019 2.5-12.5	MW-91S 9/18/2019 2.5-12.5	MW-92S 9/18/2019 2.5-12.5	MW-93S 9/16/2019 2.5-12.5	MW-94S 9/19/2019 2.5-12.5	MW-95S 9/18/2019 2.5-12.5	MW-96S 9/20/2019 2.5-12.5	MW-97S 9/19/2019 2.5-12.5	MW-98S 9/20/2019 2.5-12.5	MW-99S 9/16/2019 3-13	MW-100S 9/16/2019 3-13	MW-101S 9/16/2019 4.5-14.5
Analytic Method	Chemical Name	Ford LTP Offsite Res DW	MI GW (EGLE2018) NON- RES DW															
SW8468260BBYSIM	1,4-Dioxane	7.2	350	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
SW8260B	1,1-Dichloroethene	7.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	cis-1,2-Dichloroethene	70	70	< 1.0	< 1.0	0.87 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.23 J	< 1.0	< 1.0	0.21 J	0.30 J	< 1.0	< 1.0
SW8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Trichloroethene	1.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Vinyl chloride	1.0	2.0	< 1.0	< 1.0	2.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.54 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Notes:
All units are measured in micrograms per liter (µg/l).
All results are compared to the EGLE Part 201 Generic Cleanup Criteria, December 31, 2013.
Bolded Result exceeds residential Drinking Water criteria
< Result not detected above reporting limit.

Abbreviations:
EGLE Michigan Department of Environment, Great Lakes, and Energy
ft. bgs feet below ground surface
J estimated result

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not

Location: Date: Screen Interval (ft. bgs):				MW-102 9/18/2019 10-15	MW-102S 9/18/2019 2.5-12.5	MW-103S 9/20/2019 2-7	MW-104S 9/17/2019 9-14	MW-105S 9/16/2019 2.5-12.5	MW-106S 9/23/2019 2.5-12.5	MW-107S 9/24/2019 2.5-12.5	MW-108S 9/19/2019 2.5-12.5	MW-109S 9/23/2019 2.5-12.5	MW-110S 9/17/2019 8-13	MW-111S 9/19/2019 8-13	MW-112S 9/17/2019 2.5-12.5	MW-115S 9/18/2019 2.5-12.5	MW-116S 9/16/2019 3-13	MW-117S 9/18/2019 2.5-12.5
Analytic Method	Chemical Name	Ford LTP Offsite Res DW	MI GW (EGLE2018) NON- RES DW															
SW8468260BBYSIM	1,4-Dioxane	7.2	350	1.0 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
SW8260B	1,1-Dichloroethene	7.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	cis-1,2-Dichloroethene	70	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.38 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Trichloroethene	1.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.27 J
SW8260B	Vinyl chloride	1.0	2.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.1	< 1.0	0.54 J

Location: Date: Screen Interval (ft. bgs):				MW-118S 9/18/2019 2.5-12.5	MW-119S 9/16/2019 2.5-12.5	MW-121S 9/19/2019 2.5-12.5	MW-123S 9/16/2019 2.5-12.5	MW-125 9/25/2019 7-12	MW-125S 9/25/2019 2-7	MW-126S 9/17/2019 3-13	MW-127S 9/18/2019 3-13	MW-128S 9/20/2019 4-14	MW-129 9/24/2019 10-15	MW-129S 9/23/2019 2-7	MW-130S 9/20/2019 3-13	MW-131S 9/16/2019 2.5-12.5	MW-132S 9/16/2019 2.5-12.5	MW-133S 9/17/2019 4-9
Analytic Method	Chemical Name	Ford LTP Offsite Res DW	MI GW (EGLE2018) NON- RES DW															
SW8468260BBYSIM	1,4-Dioxane	7.2	350	< 2.0	< 2.0	< 2.0	1.1 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	1.3 J	< 2.0
SW8260B	1,1-Dichloroethene	7.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	cis-1,2-Dichloroethene	70	70	< 1.0	0.21 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Trichloroethene	1.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Vinyl chloride	1.0	2.0	0.50 J	< 1.0	< 1.0	3.9	< 1.0	< 1.0	< 1.0	2.7	< 1.0	< 1.0	< 1.0	1.2	0.87 J	< 1.0	< 1.0

Location: Date: Screen Interval (ft. bgs):				MW-134S 9/17/2019 5-10	MW-135S 9/16/2019 5-10	MW-136S 9/18/2019 2-7	MW-137S 9/23/2019 2-7	MW-138S 9/23/2019 2-7	MW-139S 9/20/2019 2-7	MW-140S 9/18/2019 2-7	MW-141S 9/18/2019 3-8	MW-142S 9/16/2019 2.5-7.5	MW-143S 9/19/2019 5.5-10.5	MW-144S 9/19/2019 7-12	MW-145S 9/19/2019 6-11	MW-146S 9/17/2019 6-11	MW-147S 9/19/2019 2-7	MW-148S 9/20/2019 2-7
Analytic Method	Chemical Name	Ford LTP Offsite Res DW	MI GW (EGLE2018) NON- RES DW															
SW8468260BBYSIM	1,4-Dioxane	7.2	350	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	1.1 J	< 2.0	< 2.0
SW8260B	1,1-Dichloroethene	7.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	cis-1,2-Dichloroethene	70	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Trichloroethene	1.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Vinyl chloride	1.0	2.0	< 1.0	< 1.0	0.96 J	1.1	1.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.20 J	0.82 J	2.2

Notes:
All units are measured in micrograms per liter (µg/l).
All results are compared to the EGLE Part 201 Generic Cleanup Criteria, December 31, 2013.
Bolded Result exceeds residential Drinking Water criteria
< Result not detected above reporting limit.

Abbreviations:
EGLE Michigan Department of Environment, Great Lakes, and Energy
ft. bgs feet below ground surface
J estimated result

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not

Location: Date: Screen Interval (ft. bgs):				MW-149S 9/18/2019 2-7	MW-150S 9/19/2019 2-7	MW-152S 9/20/2019 2.5-7.5	MW-153S 9/20/2019 2-7	MW-154S 9/20/2019 2-7	MW-155S 9/17/2019 2-7	MW-156S 9/19/2019 3-8	MW-157S 9/19/2019 2.5-7.5	MW-158S 9/23/2019 2.5-7.5	MW-159S 9/23/2019 4-9	MW-160S 9/18/2019 4-9	MW-161S 9/24/2019 2.5-7.5	MW-162S 9/18/2019 3-8	MW-163S 9/18/2019 2-7	MW-164S 9/19/2019 3-8	MW-165S 9/19/2019 2-7
Analytic Method	Chemical Name	Ford LTP Offsite Res DW	MI GW (EGLE2018) NON- RES DW																
SW8468260BBYSIM	1,4-Dioxane	7.2	350	0.96 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
SW8260B	1,1-Dichloroethene	7.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	cis-1,2-Dichloroethene	70	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Trichloroethene	1.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Vinyl chloride	1.0	2.0	1.9	0.35 J	0.34 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Location: Date: Screen Interval (ft. bgs):				MW-166S 9/17/2019 6-11	MW-167S 9/20/2019 5-10	MW-168S 9/16/2019 2-7	MW-169S 9/17/2019 2-7	MW-170S 9/24/2019 4.5-9.5	MW-171S 9/16/2019 2-7	MW-172S 9/20/2019 4.5-9.5	MW-173S 9/20/2019 5.5-10.5	MW-174S 9/24/2019 5.5-10.5	MW-175S 9/20/2019 6-11	MW-176S 9/23/2019 5-10	MW-177S 9/19/2019 4-9	MW-178S 9/18/2019 4.5-9.5	MW-179S 9/17/2019 6-11	MW-180SR 9/17/2019 6.5-11.5	MW-181S 9/17/2019 3.5-8.5
Analytic Method	Chemical Name	Ford LTP Offsite Res DW	MI GW (EGLE2018) NON- RES DW																
SW8468260BBYSIM	1,4-Dioxane	7.2	350	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	1.2 J	< 2.0
SW8260B	1,1-Dichloroethene	7.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	cis-1,2-Dichloroethene	70	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.16 J	< 1.0
SW8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Trichloroethene	1.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Vinyl chloride	1.0	2.0	< 1.0	< 1.0	0.38 J	0.28 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Location: Date: Screen Interval (ft. bgs):				MW-182S 9/18/2019 4-9	MW-183S 9/17/2019 8-13	MW-184S 9/24/2019 4.5-9.5	MW-185S 9/23/2019 6-11	MW-186S 9/24/2019 2.5-7.5	MW-187 9/19/2019 8-13	MW-187S 9/19/2019 3-8	MW-188S 9/19/2019 3-8	MW-189 9/18/2019 10-15	MW-189S 9/18/2019 4.5-9.5	MW-190 9/19/2019 9-14	MW-190S 9/19/2019 2.5-7.5	MW-191S 9/17/2019 2.5-7.5	MW-192S 9/20/2019 2.5-7.5	MW-193S 9/16/2019 3-8
Analytic Method	Chemical Name	Ford LTP Offsite Res DW	MI GW (EGLE2018) NON- RES DW															
SW8468260BBYSIM	1,4-Dioxane	7.2	350	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
SW8260B	1,1-Dichloroethene	7.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	cis-1,2-Dichloroethene	70	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.5	1.1	5.2	0.34 J	< 1.0
SW8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW8260B	Trichloroethene	1.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.59 J	< 1.0	< 1.0
SW8260B	Vinyl chloride	1.0	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Notes:
All units are measured in micrograms per liter (µg/l).
All results are compared to the EGLE Part 201 Generic Cleanup Criteria, December 31, 2013.
Bolded Result exceeds residential Drinking Water criteria
< Result not detected above reporting limit.

Abbreviations:
EGLE Michigan Department of Environment, Great Lakes, and Energy
ft. bgs feet below ground surface
J estimated result

This document is a DRAFT document that has not received approval from the Michigan Department of Environment, Great Lakes, and Energy (EGLE). This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not

APPENDIX B

On-Site Groundwater Field Sampling Logs





SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-1		Date	9-25-19	
Project Name/Location	Ford LTP		Weather	71.96 degrees F, Mostly Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	14-19	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	3.53	Total Depth (ft-bmp)	18.84	Water Column (ft.)	15.31	Gallons in Well	2.49	
		Pump Intake (ft-bmp)	16.50	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	0.74					
Sample Time:	Label	12:10	Volume Purged	1.84 gallons	Replicate/Code No.	--	Sampled by	Melissa Weaver
	Purge Start	11:10						
	Purge End	12:10						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:10	0	125	4.02	0.00	9.30	0.01	4.83	9.76	21.8	-133.1	Clear with some dark brown specs	None
11:15	5	125	4.06	0.17	8.59	0.01	15.10	9.70	21.3	-38.6	Clear with some dark brown specs	None
11:20	5	125	4.04	0.34	8.35	0.01	8.38	9.61	21.1	-28.6	Clear with some dark brown specs	None
11:25	5	125	4.02	0.51	3.33	0.01	6.22	9.46	21.1	-10.1	Clear with some dark brown specs	None
11:30	5	125	4.02	0.68	8.10	0.01	8.15	9.32	21.0	6.5	Clear with some light brown specs	None
11:35	5	125	4.03	0.85	7.98	0.01	11.80	9.26	20.9	12.1	Clear with some light brown specs	None
11:40	5	125	4.03	1.02	7.11	0.02	21.00	9.61	20.2	11.1	Clear with some light brown specs	None
11:45	5	100	4.00	1.19	6.96	0.02	20.40	9.62	20.3	4.4	Clear with some light brown specs	None
11:50	5	100	4.00	1.32	6.76	0.02	15.80	9.99	20.4	-11.2	Clear with some light brown specs	None
11:55	5	100	3.96	1.45	6.57	0.02	6.19	9.89	20.3	-48.9	Clear with some light brown specs	None
12:00	5	100	3.94	1.58	6.70	0.02	13.50	12.20	20.2	-108.3	Clear with some light brown specs	None
12:05	5	100	3.94	1.71	6.58	0.05	13.50	9.68	20.3	-120.7	Clear with some light brown specs	None
12:10	5	100	3.94	1.84	6.56	0.14	15.40	1.35	20.3	-125.8	Clear with some light brown specs	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments: This well has 1/2 size bolts. Windy

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	SW Parking lot		Well Locked at Arrival:	n/a
Condition of Well:	Good		Well Locked at Departure:	n/a
Well Completion:	Flush mount		Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-2	Date	9-25-19	
Project Name/Location	Ford LTP		Weather	66.02 degrees F, Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15.5-20.5	Casing Diameter (in.)	2	
Static Water Level (ft-bmp)	6.95	Total Depth (ft-bmp)	19.47	Water Column (ft.)	12.52	
		Pump Intake (ft-bmp)	18.00	Gallons in Well	2.03	
		Well Volumes Purged	1.24	Purge Method	Low-Flow	
Sample Time:	Label	13:54	Volume Purged	2.52 gallons	Replicate/Code No.	--
	Purge Start	12:50			Sampled by	Julia McClafferty
	Purge End	13:54				

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:53	0	160	7.33	0.00	7.14	14.02	14.50	7.30	20.8	-78.4	Clear	Sulfur odor
12:58	5	160	7.33	0.21	7.14	14.05	10.40	6.02	20.8	-67.1	Clear	Sulfur odor
13:03	5	160	7.34	0.42	7.15	14.07	4.56	5.64	20.8	-54.9	Clear	Sulfur odor
13:08	5	160	7.34	0.63	7.15	14.11	2.31	5.84	20.8	-75.4	Clear	Sulfur odor
13:13	5	160	7.34	0.84	7.15	14.14	6.53	5.88	20.8	-97.0	Clear	Sulfur odor
13:18	5	160	7.34	1.05	7.15	14.17	8.94	6.59	20.8	-80.9	Clear	Sulfur odor
13:23	5	160	7.34	1.26	7.15	14.19	1.86	6.54	20.8	-74.6	Clear	Sulfur odor
13:28	5	160	7.34	1.47	7.16	14.22	0.02	5.33	20.8	-67.5	Clear	Sulfur odor
13:33	5	160	7.34	1.68	7.15	14.21	0.76	5.72	20.8	-71.2	Clear	Sulfur odor
13:38	5	160	7.34	1.89	7.16	14.26	0.02	4.96	20.8	-80.6	Clear	Sulfur odor
13:43	5	160	7.34	2.10	7.16	14.27	0.02	5.93	20.8	-71.3	Clear	Sulfur odor
13:48	5	160	7.34	2.31	7.16	14.31	2.42	6.53	20.8	-81.3	Clear	Sulfur odor
13:53	5	160	7.34	2.52	7.16	14.30	5.17	6.01	20.8	-76.2	Clear	Sulfur odor
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments Pump battery died at 11:25 in the middle of taking parameters; returned to well with new battery at 12:40; first purge start at 10:38, new purge start at 12:50. Lots of air pockets coming through with the water in the tubing

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
6" = 1.47				
Well Information				
Well Location:	Between Q14 and clean room	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-3		Date	9-25-19	
Project Name/Location	Ford LTP		Weather		73.94 degrees F, Cloudy and Windy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	14-19	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	7.36	Total Depth (ft-bmp)	18.64	Water Column (ft.)	11.28	Gallons in Well	1.83	
		Pump Intake (ft-bmp)	16.50	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	0.70					
Sample Time:	Label	15:10	Volume Purged	1.28 gallons	Replicate/Code No.	--	Sampled by	Julia McClafferty
	Purge Start	14:31						
	Purge End	15:10						

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:		Well Locked at Arrival:	
Condition of Well:	Q42 Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-4			Date	9-25-19
Project Name/Location	Ford LTP		Weather		64.04 degrees F, Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15.5-20.5	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	7.65	Total Depth (ft-bmp)	20.13	Water Column (ft.)	12.48	Gallons in Well	2.03
		Pump Intake (ft-bmp)	18.00	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	0.67				
Sample Time:	Label	10:04	Volume Purged	1.35 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	9:30					Julia McClafferty
	Purge End	10:04					<i>Julia McClafferty</i>

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments	None

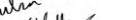
Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:		Well Locked at Arrival:	
Condition of Well:	K14 Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-5		Date	9-27-19
Project Name/Location	Ford LTP	Weather	57.02 degrees F, Cloudy			
Measuring Pt. Description	Top of Casing	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	7.28	Water Column (ft.)	12.38	Gallons in Well	2.01	
		Pump Intake (ft-bmp)	18.00	Purge Method	Low-Flow	Sample Method
		Well Volumes Purged	0.70			
Sample Time:	Label	9:17	Volume Purged	1.4 gallons	Replicate/Code No.	--
	Purge Start	8:37				
	Purge End	9:17				


 Julia McClafferty

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	In clean room; M22	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-7		Date	9-25-19	
Project Name/Location	Ford LTP		Weather	64.04 degrees F, Mostly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	18-23	Casing Diameter (in.)	2	Gallons in Well	2.84	
Static Water Level (ft-bmp)	4.86	Total Depth (ft-bmp)	22.36	Water Column (ft.)	17.50	Sample Method	Low-Flow	
		Pump Intake (ft-bmp)	20.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.56					
Sample Time:	Label	10:15	Volume Purged	1.58 gallons	Replicate/Code No.	--	Sampled by	Melissa Weaver
	Purge Start	9:30						
	Purge End	10:15						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:35	0	140	4.91	0.00	7.52	8.39	40.40	0.44	19.3	-131.9	Clear with dark brown specs	None
9:40	5	150	5.01	0.18	7.59	7.91	29.50	0.29	19.3	-144.8	Clear with dark brown specs	None
9:45	5	150	5.01	0.38	7.60	7.42	15.70	0.22	19.1	-147.5	Clear with dark brown specs	None
9:50	5	150	5.03	0.58	7.59	7.64	15.60	0.20	19.0	-148.1	Clear with dark brown specs	None
9:55	5	150	5.03	0.78	7.59	8.05	8.38	0.16	18.9	-148.4	Clear with light brown specs	None
10:00	5	150	5.00	0.98	7.55	8.66	11.80	0.23	19.1	-142.2	Clear with some light brown specs	None
10:05	5	150	5.00	1.18	7.55	8.76	4.60	0.18	19.0	-145.8	Clear with some light brown specs	None
10:10	5	150	5.00	1.38	7.57	8.76	4.72	0.17	19.0	-148.3	Clear with some light brown specs	None
10:15	5	150	5.00	1.58	7.55	8.97	2.34	0.18	19.1	-149.3	Clear with some light brown specs	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments: Cover cracked on one part

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	sw parking no lot	Well Locked at Arrival:	n/a	
Condition of Well:	Broken thread tabs,Fair,Missing bolts	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-9			Date	9-23-19	
Project Name/Location	Ford LTP	Weather	75.02 degrees F, Partly Cloudy					
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	19.5-24.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	5.96	Total Depth (ft-bmp)	24.24	Water Column (ft.)	18.28	Gallons in Well	2.97	
		Pump Intake (ft-bmp)	22.00	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	0.40					
Sample Time:	Label	14:20	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by	Melissa Weaver
	Purge Start	13:49						
	Purge End	14:20						

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:		Well Locked at Arrival:	
	SW Parking lot		n/a
Condition of Well:	Fair,Missing bolts	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-10		Date	9-27-19	
Project Name/Location	Ford LTP		Weather	77.00 degrees F, Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16.5-21.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	8.60	Total Depth (ft-bmp)	20.75	Water Column (ft.)	12.15	Gallons in Well	1.97	
		Pump Intake (ft-bmp)	19.00	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	0.89					
Sample Time:	Label	16:46	Volume Purged	1.76 gallons	Replicate/Code No.	--	Sampled by	Julia McClafferty
	Purge Start	16:04						
	Purge End	16:46						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
16:05	0	170	8.97	0.00	7.25	8.29	22.40	0.45	21.9	-91.1	Clear	None
16:10	5	170	9.00	0.22	7.24	8.38	24.10	0.30	21.9	-99.3	Clear	None
16:15	5	170	9.05	0.44	7.23	8.43	18.20	0.19	21.8	-105.9	Clear	None
16:20	5	170	8.95	0.66	7.21	8.46	12.40	0.20	21.9	-105.9	Clear	None
16:25	5	170	8.96	0.88	7.19	8.54	9.81	0.16	21.8	-108.1	Clear	None
16:30	5	170	9.00	1.10	7.18	8.61	5.97	0.17	21.8	-107.6	Clear	None
16:35	5	170	9.00	1.32	7.17	8.66	4.18	0.14	21.8	-108.2	Clear	None
16:40	5	170	9.00	1.54	7.10	8.71	1.23	0.13	21.8	-107.8	Clear	None
16:45	5	170	9.00	1.76	7.15	8.77	0.02	0.23	21.8	-106.4	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	E16	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-14		Date	9-23-19	
Project Name/Location	Ford LTP		Weather	71.96 degrees F, Partly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Gallons in Well	2.08	
Static Water Level (ft-bmp)	6.53	Total Depth (ft-bmp)	19.32	Water Column (ft.)	12.79	Sample Method	Low-Flow	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.02					
Sample Time:	Label	12:30	Volume Purged	2.13 gallons	Replicate/Code No.	--	Sampled by	Melissa Weaver
	Purge Start	11:26						
	Purge End	12:30						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:30	0	150	6.53	0.00	3.66	0.41	18.80	1.42	19.7	163.5	Clear	None
11:35	5	145	6.53	0.02	6.71	0.81	12.20	0.32	19.7	-56.0	Clear	None
11:40	5	145	6.98	0.21	6.99	1.03	12.10	0.27	19.7	-82.2	Clear	None
11:45	5	145	6.98	0.40	7.10	1.41	4.69	0.26	19.6	-97.4	Clear	None
11:50	5	145	6.99	0.59	6.97	1.80	0.38	0.23	19.5	-93.5	Clear	None
11:55	5	145	6.99	0.78	6.82	2.33	0.02	0.18	19.5	-86.8	Clear	None
12:00	5	145	6.99	0.97	6.75	2.77	0.02	0.17	19.5	-83.0	Clear	None
12:05	5	145	6.99	1.16	6.70	3.21	0.02	0.14	19.4	-80.3	Clear	None
12:10	5	145	6.99	1.35	6.64	3.71	0.02	0.14	19.5	-75.0	Clear	None
12:15	5	145	7.00	1.54	6.54	4.00	0.02	0.17	19.4	-69.3	Clear	None
12:20	5	150	7.00	1.73	7.01	4.35	0.02	0.14	19.5	-93.9	Clear	None
12:25	5	150	7.00	1.93	7.09	4.61	0.02	0.12	19.6	-96.8	Clear	None
12:30	5	150	7.00	2.13	7.94	4.86	0.02	0.08	19.6	-150.0	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65

Well Information				
Well Location:	SW Parking lot	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-15-59D		Date	9-27-19	
Project Name/Location	Ford LTP		Weather	64.04 degrees F, Mostly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	94-99	Casing Diameter (in.)	2	Gallons in Well	11.60	
Static Water Level (ft-bmp)	28.88	Total Depth (ft-bmp)	100.25	Water Column (ft.)	71.37	Sample Method	Low-Flow	
		Pump Intake (ft-bmp)	96.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.26					
Sample Time:	Label	12:51	Volume Purged	2.99 gallons	Replicate/Code No.	--	Sampled by	Julia McClafferty
	Purge Start	11:47						
	Purge End	12:51						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:49	0	150	29.12	0.00	7.64	0.38	81.30	0.08	14.3	21.3	Clear	None
11:54	5	500	29.02	0.20	7.77	0.38	47.70	0.06	14.8	-52.3	Clear	None
11:59	5	200	28.91	0.86	7.89	0.38	40.60	0.07	15.3	-71.6	Clear	None
12:04	5	175	28.91	1.12	7.89	0.38	41.20	0.11	15.4	-81.5	Clear	None
12:09	5	200	28.91	1.35	7.91	0.38	40.00	0.10	15.3	-95.6	Clear	None
12:14	5	250	28.91	1.61	7.92	0.39	33.30	0.12	15.3	-111.0	Clear	None
12:19	5	150	28.89	1.94	7.98	0.38	28.60	0.18	15.0	-122.0	Clear	None
12:24	5	140	28.89	2.14	8.00	0.38	18.60	0.13	15.7	-128.1	Clear	None
12:29	5	150	28.89	2.32	8.00	0.38	12.90	0.10	15.9	-136.4	Clear	None
12:34	5	130	28.89	2.52	8.01	0.39	14.10	0.13	16.0	142.4	Clear	None
12:39	5	150	28.86	2.69	8.00	0.38	7.69	0.30	15.9	-145.2	Clear	None
12:44	5	75	28.85	2.89	8.02	0.39	10.70	0.16	16.0	-150.4	Clear	None
12:49	5	300	29.18	2.99	7.96	0.38	4.45	0.13	14.2	-148.7	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Parking lot to the right of Gate 12	Well Locked at Arrival:	yes	
Condition of Well:	Broken thread tabs, Poor	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-15-60D		Date	9-27-19		
Project Name/Location	Ford LTP		Weather	77.00 degrees F, Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	93-98	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	23.27	Total Depth (ft-bmp)	99.11	Water Column (ft.)	75.84	Gallons in Well	12.32	
		Pump Intake (ft-bmp)	93.00	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	0.78					
Sample Time:	Label	14:46	Volume Purged	9.66 gallons	Replicate/Code No.	--	Sampled by	Julia McClafferty
	Purge Start	13:43						
	Purge End	14:46						

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments

Met resistance at 95.1 when setting intake, so it was set at 93; slowed flow at 15 mins because no more bucket storage

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	Parking lot	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-15-61D		Date	9-28-19	
Project Name/Location	Ford LTP		Weather	64.94 degrees F, Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	88-93	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	24.70	Total Depth (ft-bmp)	94.59	Water Column (ft.)	69.89	Gallons in Well	11.36	
		Pump Intake (ft-bmp)	90.50	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	0.34					
Sample Time:	Label	9:25	Volume Purged	3.86 gallons	Replicate/Code No.	--	Sampled by	Julia McClafferty
	Purge Start	8:40						
	Purge End	9:25						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
8:40	0	450	26.97	0.00	7.28	0.73	10.30	0.19	14.8	55.0	Clear	Sulfur odor
8:45	5	300	33.55	0.59	7.22	0.63	0.02	0.19	14.7	15.2	Clear	Sulfur odor
8:50	5	350	35.85	0.99	7.24	0.61	35.85	0.19	15.0	-23.6	Clear	Sulfur odor
8:55	5	400	42.65	1.45	7.28	0.58	0.49	0.10	15.2	-59.2	Clear	Sulfur odor
9:00	5	750	42.96	1.98	7.30	0.61	0.02	0.14	15.7	-69.2	Clear	Sulfur odor
9:05	5	200	46.17	2.97	7.31	0.60	2.58	0.15	15.4	-78.6	Clear	Sulfur odor
9:10	5	250	47.26	3.23	7.33	0.59	0.71	0.14	16.6	-88.2	Clear	Sulfur odor
9:15	5	140	48.86	3.56	7.35	0.60	1.50	0.16	16.4	-97.9	Clear	Sulfur odor
9:20	5	150	49.78	3.74	7.35	0.60	1.08	0.17	16.2	-98.4	Clear	Sulfur odor
9:23	3	200	50.30	3.86	7.35	0.61	1.34	0.17	16.3	-100.6	Clear	Sulfur odor
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments	Broken j plug

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
6" = 1.47				

Well Information				
Well Location:	Across from parking lot D; in the semi lane	Well Locked at Arrival:	n/a	
Condition of Well:	Broken thread tabs,Fair	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-18		Date	9-25-19	
Project Name/Location	Ford LTP		Weather	75.02 degrees F, Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	13-18	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	6.78	Total Depth (ft-bmp)	17.88	Water Column (ft.)	11.10	Gallons in Well	1.80	
		Pump Intake (ft-bmp)	15.50	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	1.00					
Sample Time:	Label	16:15	Volume Purged	1.8 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	15:19						
	Purge End	16:13						

Xenia

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
15:20	0	150	6.92	0.00	6.97	1.22	21.60	0.52	20.6	-103.6	Clear	None
15:25	5	150	6.92	0.20	6.91	1.61	37.10	0.27	19.8	-94.2	Clear	None
15:30	5	150	6.92	0.40	6.94	1.70	30.90	0.16	19.6	-93.8	Clear	None
15:35	5	150	6.92	0.60	6.94	1.73	21.20	0.14	19.6	-93.2	Clear	None
15:40	5	150	6.92	0.80	6.94	1.77	11.50	0.11	19.5	-91.9	Clear	None
15:45	5	150	6.92	1.00	6.94	1.82	3.69	0.10	19.5	-88.9	Clear	None
15:50	5	150	6.92	1.20	6.93	1.84	5.78	0.10	19.3	-88.3	Clear	None
15:55	5	150	6.92	1.40	6.94	1.85	2.79	0.09	19.4	-88.0	Clear	None
16:00	5	150	6.92	1.60	6.94	1.86	1.38	0.09	19.5	-87.6	Clear	None
16:05	5	150	6.92	1.80	6.94	1.88	0.02	0.09	19.5	-86.5	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments	No bolts

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
6" = 1.47				

Well Information				
Well Location:	S parking lot, in between the last 3rd and 2nd spots in the parking row to the right of the blue awning	Well Locked at Arrival:	n/a	
Condition of Well:	Missing bolts	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-19		Date	9-24-19	
Project Name/Location	Ford LTP		Weather	64.04 degrees F, Mostly Clear		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Gallons in Well	2.29	
Static Water Level (ft-bmp)	5.91	Total Depth (ft-bmp)	19.98	Water Column (ft.)	14.07	Sample Method	Low-Flow	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.83					
Sample Time:	Label	12:47	Volume Purged	1.9 gallons	Replicate/Code No.	--	Sampled by	Julia McClafferty
	Purge Start	12:04						
	Purge End	12:47						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:05	0	170	6.11	0.00	6.79	13.02	24.70	0.35	19.6	-6.9	Clear	None
12:10	5	180	6.11	0.22	6.83	12.82	24.80	0.26	19.4	-30.2	Clear	None
12:15	5	180	6.13	0.46	6.85	12.37	9.20	0.20	19.2	-45.2	Clear	None
12:20	5	180	6.12	0.70	6.85	12.30	6.84	0.17	19.2	-55.8	Clear	None
12:25	5	180	6.13	0.94	6.85	12.33	5.22	0.16	19.4	-60.2	Clear	None
12:30	5	180	6.13	1.18	6.86	12.33	7.39	0.13	19.3	-64.7	Clear	None
12:35	5	180	6.13	1.42	6.86	12.33	4.06	0.13	19.0	-68.1	Clear	None
12:40	5	180	6.13	1.66	6.86	12.36	1.90	0.21	19.0	-71.0	Clear	None
12:45	5	180	6.13	1.90	6.89	12.39	0.02	0.12	18.9	-72.9	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	North of another Monitoring well (LMW) that is located about 5-10 feet away	Well Locked at Arrival:	yes
Condition of Well:	Fair, Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-20		Date	9-26-19	
Project Name/Location	Ford LTP		Weather	68.00 degrees F, Partly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	13.5-18.5	Casing Diameter (in.)	2	Gallons in Well	1.43	
Static Water Level (ft-bmp)	6.34	Total Depth (ft-bmp)	15.15	Water Column (ft.)	8.81	Sample Method	Low-Flow	
		Pump Intake (ft-bmp)	13.80	Purge Method	Low-Flow			
		Well Volumes Purged	1.76					
Sample Time:	Label	15:25	Volume Purged	2.52 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	14:19						
	Purge End	15:23						

Xenia

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:21	0	160	6.41	0.00	7.46	0.31	84.80	0.57	20.9	-56.2	Clear	None
14:26	5	160	6.45	0.21	7.26	0.31	80.80	0.25	20.6	-64.2	Clear	None
14:31	5	160	6.55	0.42	7.36	0.44	79.20	0.14	20.3	-78.5	Clear	None
14:36	5	160	6.61	0.63	7.53	0.81	49.60	0.11	19.9	-93.6	Clear	None
14:41	5	160	6.60	0.84	7.61	1.47	30.70	0.08	19.9	-106.6	Clear	None
14:46	5	160	6.60	1.05	7.61	1.88	16.20	0.08	19.8	-110.8	Clear	None
14:51	5	160	6.61	1.26	7.56	2.70	5.49	0.07	19.6	-113.0	Clear	None
14:56	5	160	6.65	1.47	7.52	3.43	4.44	0.07	19.6	-112.2	Clear	None
15:01	5	160	6.67	1.68	7.46	4.13	3.79	0.06	19.7	-109.8	Clear	None
15:06	5	160	6.65	1.89	7.41	4.82	4.84	0.07	19.6	-105.9	Clear	None
15:11	5	160	6.65	2.10	7.37	5.33	4.70	0.05	19.7	-102.3	Clear	None
15:16	5	160	6.65	2.31	7.35	5.50	4.32	0.06	19.7	-100.0	Clear	None
15:21	5	160	6.55	2.52	7.33	5.68	4.69	0.05	19.7	-97.9	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL

Comments	Lots of debris/dirt around it

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	2" = 0.04	3" = 0.37	4" = 0.65	
	1.25" = 0.06			

Well Information			
Well Location:	S parking lot	Well Locked at Arrival:	yes
Condition of Well:	Fair	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-21		Date	9-25-19
Project Name/Location	Ford LTP		Weather	73.94 degrees F, Cloudy and Windy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	13.5-18.5	Casing Diameter (in.)	2	PVC
Static Water Level (ft-bmp)	6.93	Total Depth (ft-bmp)	17.68	Water Column (ft.)	10.75	Gallons in Well
		Pump Intake (ft-bmp)	16.00	Purge Method	Low-Flow	Sample Method
		Well Volumes Purged	0.81			Low-Flow
Sample Time:	Label	14:42	Volume Purged	1.41 gallons	Replicate/Code No.	--
	Purge Start	14:00				
	Purge End	14:39				

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments	Mouth broken and could not tighten bolts

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	S parking lot. In front of the most far right corner parking spot	Well Locked at Arrival:	no
Condition of Well:	Missing bolts,Poor	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-22		Date	9-19-19	
Project Name/Location	Ford LTP		Weather	69.08 degrees F, Mostly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16.5-20.5	Casing Diameter (in.)	2	Gallons in Well	2.12	
Static Water Level (ft-bmp)	7.44	Total Depth (ft-bmp)	20.47	Water Column (ft.)	13.03	Sample Method	Low-Flow	
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.92					
Sample Time:	Label	15:08	Volume Purged	1.96 gallons	Replicate/Code No.	--	Sampled by	Melissa Weaver
	Purge Start	13:59						
	Purge End	15:08						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:18	0	145	7.55	0.00	5.79	13.54	11.40	0.90	18.1	7.6	Clear	None
14:23	5	145	7.55	0.19	6.97	13.54	9.28	0.54	18.0	-64.1	Clear	None
14:28	5	145	7.55	0.38	6.87	13.56	6.76	0.51	18.0	-60.3	Clear	None
14:33	5	145	7.55	0.57	6.78	13.57	4.78	0.45	17.9	-56.0	Clear	None
14:38	5	150	7.55	0.76	6.70	13.58	3.61	0.28	17.8	-52.0	Clear	None
14:43	5	150	7.55	0.96	6.63	13.58	3.50	0.40	17.9	-48.7	Clear	None
14:48	5	150	7.55	1.16	6.99	13.57	0.69	0.40	17.8	-68.7	Clear	None
14:53	5	150	7.55	1.36	6.92	13.56	0.57	0.74	17.8	-57.5	Clear	None
14:58	5	150	7.56	1.56	6.85	13.55	0.02	0.43	17.8	-58.0	Clear	None
15:03	5	150	7.56	1.76	6.79	13.49	0.02	0.40	17.8	-57.1	Clear	None
15:08	5	150	7.56	1.96	6.80	13.50	0.02	0.32	17.7	-58.6	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	6	HCL
1,4-dioxane	40 mL Glass	6	HCL

Comments: Outer ring of cover broken, but cover will lay flush to the ground. No bolts.

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Inside the track	Well Locked at Arrival:	n/a	
Condition of Well:	Broken thread tabs,Fair,Missing bolts,Vault broken	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-23		Date	9-24-19	
Project Name/Location	Ford LTP		Weather	75.92 degrees F, Mostly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Gallons in Well	2.18	
Static Water Level (ft-bmp)	6.27	Total Depth (ft-bmp)	19.70	Water Column (ft.)	13.43	Sample Method	Low-Flow	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.66					
Sample Time:	Label	16:57	Volume Purged	1.44 gallons	Replicate/Code No.	DUP-08	Sampled by	Melissa Weaver
	Purge Start	16:14						
	Purge End	16:57						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
16:17	0	125	6.35	0.00	8.63	0.52	35.80	0.08	20.0	-111.4	Clear with brown specs	None
16:22	5	125	6.43	0.17	8.35	1.86	24.00	0.07	19.1	66.8	Clear with brown specs	None
16:27	5	125	6.44	0.34	6.97	6.98	21.10	0.80	18.9	-65.9	Clear with brown specs	None
16:32	5	125	6.44	0.51	6.98	7.17	12.10	0.33	18.7	-62.9	Clear	None
16:37	5	145	6.44	0.68	6.98	7.23	8.74	0.22	18.6	-60.9	Clear	None
16:42	5	145	6.44	0.87	6.98	7.26	8.50	0.18	18.5	-60.9	Clear	None
16:47	5	145	6.44	1.06	6.98	7.30	1.40	0.18	18.5	-60.8	Clear	None
16:52	5	145	6.44	1.25	6.99	7.33	3.74	0.17	18.5	-60.2	Clear	None
16:57	5	145	6.44	1.44	6.99	7.38	2.28	0.14	18.4	-59.6	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Inside test track	Well Locked at Arrival:	n/a	
Condition of Well:	Broken thread tabs,Fair,Missing bolts	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-24		Date	9-23-19	
Project Name/Location	Ford LTP		Weather	73.94 degrees F, Partly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	19.24	Casing Diameter (in.)	2	Gallons in Well	2.21	
Static Water Level (ft-bmp)	10.10	Total Depth (ft-bmp)	23.71	Water Column (ft.)	13.61	Sample Method	Low-Flow	
		Pump Intake (ft-bmp)	21.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.04					
Sample Time:	Label	16:28	Volume Purged	2.29 gallons	Replicate/Code No.	--	Sampled by	Melissa Weaver
	Purge Start	15:26						
	Purge End	16:28						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
15:28	0	155	10.29	0.00	6.88	3.46	35.70	1.97	17.6	-75.6	Clear with light brown specs	None
15:33	5	145	10.25	0.20	6.90	3.45	28.30	1.52	16.9	-75.9	Clear with light brown specs	None
15:38	5	145	10.25	0.39	6.81	3.46	17.60	1.61	17.1	-71.6	Clear with light brown specs	None
15:43	5	145	10.26	0.58	6.84	3.45	14.80	1.56	16.9	-75.4	Clear with light brown specs	None
15:48	5	145	10.26	0.77	6.74	3.45	14.80	1.49	16.9	-70.7	Clear with light brown specs	None
15:53	5	145	10.26	0.96	6.62	3.45	12.40	1.35	16.7	-64.1	Clear with light brown specs	None
15:58	5	145	10.27	1.15	6.59	3.44	11.20	1.35	16.7	-63.1	Clear with light brown specs	None
16:03	5	145	10.28	1.34	6.59	3.44	10.10	1.09	16.7	-64.6	Clear with light brown specs	None
16:08	5	145	10.28	1.53	6.62	3.43	10.70	1.10	16.7	-65.6	Clear	None
16:13	5	145	10.28	1.72	6.63	3.43	6.73	0.95	16.6	-66.8	Clear	None
16:18	5	145	10.28	1.91	6.69	3.41	6.54	0.83	16.6	-70.6	Clear	None
16:23	5	145	10.28	2.10	6.84	3.41	7.65	0.80	16.6	-79.0	Clear	None
16:28	5	145	10.28	2.29	6.84	3.41	6.88	0.62	16.5	-79.6	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	SW Parking lot	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-25		Date	9-25-19	
Project Name/Location	Ford LTP		Weather	75.02 degrees F, Mostly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Gallons in Well	2.33	
Static Water Level (ft-bmp)	6.03	Total Depth (ft-bmp)	20.37	Water Column (ft.)	14.34	Sample Method	Low-Flow	
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.00					
Sample Time:	Label	17:45	Volume Purged	2.34 gallons	Replicate/Code No.	--	Sampled by	Melissa Weaver
	Purge Start	16:42						
	Purge End	17:45						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
16:42	0	150	6.28	0.00	7.65	6.36	23.50	0.90	21.7	-150.0	Clear with light white specs	None
16:50	8	150	6.29	0.32	10.68	6.41	30.50	0.11	20.8	-334.2	Clear with light white specs	None
16:55	5	150	6.30	0.52	7.54	6.39	22.80	0.19	20.7	-145.9	Clear with light white specs	None
17:00	5	150	6.29	0.72	7.53	6.38	32.00	0.16	20.7	-145.7	Clear	None
17:05	5	150	6.29	0.92	7.48	6.37	26.30	0.15	20.6	-144.5	Clear	None
17:10	5	150	6.29	1.12	7.38	6.37	29.60	0.14	20.4	-139.2	Clear	None
17:15	5	150	6.30	1.32	7.40	6.37	30.70	0.12	20.3	-141.4	Clear	None
17:20	5	150	6.30	1.52	7.40	6.37	35.00	0.12	20.4	-144.7	Clear	None
17:25	5	150	6.30	1.72	7.40	6.37	47.50	0.13	20.3	-143.0	Clear	None
17:30	5	150	6.30	1.92	7.19	6.37	21.50	0.12	20.3	-128.3	Clear	None
17:35	5	150	6.30	2.12	7.14	6.37	19.10	0.11	20.2	-125.7	Clear	None
17:40	5	150	6.30	2.14	7.08	6.37	38.80	0.10	20.2	-122.5	Clear	None
17:45	5	150	6.30	2.34	7.01	6.38	26.20	0.10	20.2	-119.3	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments	Really windy!

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65

Well Information			
Well Location:	SW Parking lot	Well Locked at Arrival:	n/a
Condition of Well:	Broken thread tabs, Vault broken	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-26			Date	9-25-19
Project Name/Location	Ford LTP		Weather		73.94 degrees F, Cloudy and Windy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-14.5	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	6.06	Total Depth (ft-bmp)	14.50	Water Column (ft.)	8.44	Gallons in Well	1.37
		Pump Intake (ft-bmp)	9.50	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	1.14				
Sample Time:	Label	15:08	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	14:35					Madison Olender
	Purge End	15:12					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information		1.25 = 0.06		2 = 0.16		3 = 0.37		4 = 0.65	
Well Location:	Inside gate, east of emergency response point 10 under yellow carts in corner				Well Locked at Arrival:				
Condition of Well:	Good				Well Locked at Departure:				
Well Completion:	Flush mount				Lock Functioning:				
					no				
					n/a				
					n/a				

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-28			Date	9-24-19
Project Name/Location	Ford LTP		Weather		75.02 degrees F, Partly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-12	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	4.62	Total Depth (ft-bmp)	11.66	Water Column (ft.)	7.04	Gallons in Well	1.14
		Pump Intake (ft-bmp)	7.00	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	1.25				
Sample Time:	Label	14:27	Volume Purged	1.42 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	13:39					Julia McClafferty
	Purge End	14:27					<i>Julia McClafferty</i>

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information	
Well Location:	Well Locked at Arrival:
Parking lot before check in area (to access the plant), near handicap parking spot	yes
Condition of Well:	Well Locked at Departure:
Fair, Missing bolts	yes
Well Completion:	Lock Functioning:
Flush mount	yes

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-29			Date	9-25-19
Project Name/Location	Ford LTP		Weather		64.04 degrees F, Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-15	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	5.46	Total Depth (ft-bmp)	15.00	Water Column (ft.)	9.54	Gallons in Well	1.55
		Pump Intake (ft-bmp)	10.00	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	1.01				
Sample Time:	Label	10:04	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	9:32					Madison Olender
	Purge End	10:08					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	Inside gate in front of north dock general receiving	Well Locked at Arrival:	no
Condition of Well:	Fair,Missing bolts	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-30			Date	9-28-19
Project Name/Location	Ford LTP		Weather		64.94 degrees F, Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	19-24	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	9.81	Total Depth (ft-bmp)	24.66	Water Column (ft.)	14.85	Gallons in Well	2.41
		Pump Intake (ft-bmp)	21.50	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	0.34				
Sample Time:	Label	12:45	Volume Purged	0.82 gallons	Replicate/Code No.	MW-30-MS_092819 and MW-30-MSD_092819	Sampled by
	Purge Start	12:15					Melissa Weaver
	Purge End	12:45					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	E Parking lot	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-31		Date	9-28-19	
Project Name/Location	Ford LTP		Weather	64.94 degrees F, Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	17-22	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	8.87	Total Depth (ft-bmp)	21.40	Water Column (ft.)	12.53	Gallons in Well	2.04	
		Pump Intake (ft-bmp)	19.50	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	0.46					
Sample Time:	Label	11:15	Volume Purged	0.94 gallons	Replicate/Code No.	--	Sampled by	Melissa Weaver
	Purge Start	10:25						
	Purge End	11:15						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:25	0	100	8.98	0.00	7.26	16.70	3.07	1.12	18.1	-77.3	Clear	None
10:30	5	100	9.92	0.13	7.25	16.98	4.00	0.49	18.0	-91.9	Clear	None
10:35	5	100	9.92	0.26	7.28	16.91	3.83	0.39	18.0	-95.0	Clear	None
10:40	5	100	9.92	0.15	7.26	16.70	4.10	0.40	18.0	-95.3	Clear	None
10:45	5	100	9.92	0.28	7.26	16.62	1.45	0.36	18.0	-96.1	Clear	None
10:50	5	100	9.92	0.41	8.77	16.62	0.20	1.43	18.0	-214.3	Clear	None
10:55	5	100	9.92	0.42	7.28	16.64	0.53	0.30	18.0	-97.9	Clear	None
11:00	5	100	9.92	0.55	7.26	16.60	1.73	0.50	17.9	-97.7	Clear	None
11:05	5	100	9.92	0.68	7.26	16.59	0.02	0.36	18.0	-98.3	Clear	None
11:10	5	100	9.92	0.81	7.25	16.51	1.70	0.32	18.0	-98.3	Clear	None
11:15	5	100	9.92	0.94	7.29	16.45	0.02	0.29	18.1	-100.8	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments	Started sprinkling at 10:48

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
6" = 1.47				

Well Information				
Well Location:	E Parking lot	Well Locked at Arrival:	n/a	
Condition of Well:	Broken thread tabs,Fair,Missing bolts	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-32			Date	9-24-19
Project Name/Location	Ford LTP		Weather		73.04 degrees F, Mostly Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	18-23	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	9.70	Total Depth (ft-bmp)	22.86	Water Column (ft.)	13.16	Gallons in Well	2.14
		Pump Intake (ft-bmp)	20.50	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	0.66				
Sample Time:	Label	13:39	Volume Purged	1.41 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:58					Xenia Chan
	Purge End	13:35					

Ahr

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments No lock on J plug

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	S Grass	Well Locked at Arrival:	no
Condition of Well:	Good	Well Locked at Departure:	no
Well Completion:	Flush mount	Lock Functioning:	no

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-33			Date	9-25-19
Project Name/Location	Ford LTP		Weather		60.08 degrees F, Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	14-19	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	7.99	Total Depth (ft-bmp)	18.71	Water Column (ft.)	10.72	Gallons in Well	1.74
		Pump Intake (ft-bmp)	16.50	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	0.69				
Sample Time:	Label	9:56	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	9:20					Xenia Chan
	Purge End	9:53					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments No lock on the i plug

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	S grass next to gate 2 sign	Well Locked at Arrival:	no
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-34			Date	9-28-19
Project Name/Location	Ford LTP	Weather	66.92 degrees F, Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16.5-21.5	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	9.42	Total Depth (ft-bmp)	21.26	Water Column (ft.)	11.84	Gallons in Well	1.92
		Pump Intake (ft-bmp)	19.00	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	0.66				
Sample Time:	Label	10:44	Volume Purged	1.26 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	10:07					Julia McClafferty
	Purge End	10:44					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments	Sunken sand pack

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	Across emergency response point 5E	Well Locked at Arrival:	n/a
Condition of Well:	Broken thread tabs,Fair	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-35		Date	9-28-19	
Project Name/Location	Ford LTP		Weather	64.94 degrees F, Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	19.5-24.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	8.61	Total Depth (ft-bmp)	24.33	Water Column (ft.)	15.72	Gallons in Well	2.55	
		Pump Intake (ft-bmp)	22.00	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	0.43					
Sample Time:	Label	9:34	Volume Purged	1.1 gallons	Replicate/Code No.	--	Sampled by	Juli Ryan
	Purge Start	8:46						
	Purge End	9:40						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
8:48	0	100	9.20	0.00	7.23	2.35	56.20	0.45	17.6	46.3	Clear	None
8:53	5	100	9.34	0.13	7.29	2.39	73.20	0.31	17.6	-18.7	Clear	None
8:58	5	100	9.45	0.26	7.35	2.40	149.00	0.25	17.4	-50.3	Clear	None
9:03	5	100	9.48	0.39	7.37	2.42	74.20	0.23	17.4	-61.8	Clear	None
9:09	6	100	9.50	0.55	7.39	2.40	50.70	0.22	17.2	-69.5	Clear	None
9:14	5	100	9.50	0.68	7.41	2.40	62.20	0.20	17.1	-73.4	Clear	None
9:19	5	100	9.50	0.81	7.42	2.38	42.40	0.19	17.1	-77.1	Clear	None
9:24	5	100	9.50	0.94	7.42	2.36	49.40	0.19	17.2	-78.4	Clear	None
9:27	3	100	9.50	1.02	7.42	2.34	46.20	0.18	17.1	-79.6	Clear	None
9:30	3	100	9.50	1.10	7.43	2.33	47.60	0.17	17.1	-80.9	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	E road	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-36		Date	9-25-19	
Project Name/Location	Ford LTP		Weather	73.04 degrees F, Cloudy and Windy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	20-25	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	9.64	Total Depth (ft-bmp)	24.80	Water Column (ft.)	15.16	Gallons in Well	2.46	
		Pump Intake (ft-bmp)	22.50	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	1.17					
Sample Time:	Label	14:42	Volume Purged	2.87 gallons	Replicate/Code No.	--	Sampled by	Melissa Weaver
	Purge Start	13:32						
	Purge End	14:42						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:32	0	150	6.96	0.00	8.49	0.02	55.70	8.93	26.1	144.9	Clear with some light brown specs	None
13:37	5	150	10.10	0.20	7.43	0.02	35.70	10.34	21.6	137.4	Clear with light orange specs	None
13:42	5	150	10.13	0.40	7.35	0.02	36.70	10.10	20.7	148.3	Clear with light orange specs	None
13:47	5	150	10.14	0.60	7.35	0.02	16.50	9.74	20.2	164.3	Clear with light orange specs	None
13:52	5	150	10.14	0.80	7.36	0.02	22.80	9.39	19.9	190.0	Clear with light brown specs	None
13:57	5	150	10.14	1.00	7.39	0.02	30.00	9.22	19.4	149.9	Clear with light brown specs	None
14:03	6	160	10.15	1.24	7.50	8.23	10.50	1.18	16.4	-145.1	Clear with light white specs	None
14:08	5	160	10.16	1.45	7.49	8.20	23.30	0.78	16.5	-138.1	Clear with light white specs	None
14:13	5	160	10.16	1.65	7.51	8.19	17.50	0.77	16.5	-135.2	Clear with light white specs	None
14:18	5	160	10.16	1.86	7.53	8.19	7.61	0.68	16.4	-134.5	Clear with light white specs	None
14:23	5	160	10.16	2.07	7.50	8.20	14.80	0.62	16.3	-133.7	Clear with light white specs	None
14:28	5	160	10.16	2.28	7.50	8.20	11.60	0.57	16.2	-133.1	Clear with light white specs	None
14:33	5	160	10.16	2.49	7.49	8.20	15.60	0.69	16.4	-131.0	Clear with light white specs	None
14:38	5	160	10.18	2.70	7.49	8.19	17.10	0.49	16.4	-128.9	Clear with light white specs	None
14:42	4	160	10.18	2.87	7.50	8.18	15.50	0.45	16.4	-129.1	Clear with light white specs	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments Interruption at 13:58

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
6" = 1.47				

Well Information	
Well Location:	SW Parking lot
Condition of Well:	Good
Well Completion:	Flush mount
Well Locked at Arrival:	n/a
Well Locked at Departure:	n/a
Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-37			Date	9-25-19
Project Name/Location	Ford LTP		Weather		71.96 degrees F, Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	18-23	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	7.80	Total Depth (ft-bmp)	22.82	Water Column (ft.)	15.02	Gallons in Well	2.44
		Pump Intake (ft-bmp)	20.50	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	0.90				
Sample Time:	Label	12:50	Volume Purged	2.2 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	11:50					Xenia Chan
	Purge End	12:46					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments	Missing 2 bolts and no lock

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	S grass, close to the Gate 3 sign	Well Locked at Arrival:	no
Condition of Well:	Good, Missing bolts	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-38			Date	9-25-19
Project Name/Location	Ford LTP		Weather		64.04 degrees F, Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	8.11	Total Depth (ft-bmp)	19.56	Water Column (ft.)	11.45	Gallons in Well	1.86
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	0.65				
Sample Time:	Label	11:10	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	10:34					Xenia Chan
	Purge End	11:07					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments No lock

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	S grass	Well Locked at Arrival:	no
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-39			Date	9-24-19
Project Name/Location	Ford LTP		Weather		75.02 degrees F, Partly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	19.5-24.5	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	10.78	Total Depth (ft-bmp)	24.22	Water Column (ft.)	13.44	Gallons in Well	2.18
		Pump Intake (ft-bmp)	22.00	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	0.55				
Sample Time:	Label	15:02	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	14:25					Xenia Chan
	Purge End	15:00					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments No lock on j plug

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	S Grass	Well Locked at Arrival:	no
Condition of Well:	Good	Well Locked at Departure:	no
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-40		Date	9-28-19	
Project Name/Location	Ford LTP		Weather	64.94 degrees F, Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	9.70	Total Depth (ft-bmp)	19.65	Water Column (ft.)	9.95	Gallons in Well	1.62	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	1.11					
Sample Time:	Label	9:30	Volume Purged	1.8 gallons	Replicate/Code No.	--	Sampled by	Melissa Weaver
	Purge Start	8:45						
	Purge End	9:30						

MW

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
8:45	0	150	9.76	0.00	7.10	18.72	21.50	2.03	18.4	-64.7	Clear	None
8:50	5	150	9.77	0.20	7.14	19.73	20.00	0.32	18.1	-111.7	Clear with light specs	None
8:55	5	150	9.79	0.40	7.17	19.50	10.30	0.22	18.1	-116.4	Clear with light specs	None
9:00	5	150	9.78	0.60	7.08	19.61	13.60	0.20	18.2	-111.4	Clear	None
9:05	5	150	9.78	0.80	7.17	19.73	2.47	0.05	18.2	-115.4	Clear	None
9:10	5	150	9.78	1.00	7.31	19.87	5.30	0.17	18.2	-124.5	Clear	None
9:15	5	150	9.78	1.20	7.29	19.94	6.41	0.15	18.2	-124.0	Clear	None
9:20	5	150	9.78	1.40	7.09	19.97	2.24	0.15	18.2	-112.5	Clear	None
9:25	5	150	9.78	1.60	7.14	20.00	0.14	0.18	18.2	-115.6	Clear	None
9:30	5	150	9.78	1.80	7.11	20.00	0.57	0.38	18.2	-113.3	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments: At 9:05 the suv turned off. The pump didn't but it slowed down and then sped back up when I started the engine.

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65

Well Information		
Well Location:	E Road	Well Locked at Arrival: n/a
Condition of Well:	Good	Well Locked at Departure: n/a
Well Completion:	Flush mount	Lock Functioning: n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-41			Date	9-28-19
Project Name/Location	Ford LTP		Weather		64.94 degrees F, Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	9.30	Total Depth (ft-bmp)	20.75	Water Column (ft.)	11.45	Gallons in Well	1.86
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	0.65				
Sample Time:	Label	14:30	Volume Purged	1.2 gallons	Replicate/Code No.	MW-41-MS_092819 and MW-41-MSD_092819	Sampled by
	Purge Start	14:00					Melissa Weaver
	Purge End	14:30					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information	
Well Location:	E Parking lot
Condition of Well:	Good
Well Completion:	Flush mount

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-42		Date	9-28-19		
Project Name/Location	Ford LTP		Weather	66.92 degrees F, Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	PVC		
Static Water Level (ft-bmp)	9.13	Total Depth (ft-bmp)	20.40	Water Column (ft.)	11.27	Gallons in Well	1.83	
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	0.70					
Sample Time:	Label	12:01	Volume Purged	1.28 gallons	Replicate/Code No.	--	Sampled by	Julia McClafferty
	Purge Start	11:27						
	Purge End	12:01						

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	Across from parking lot D		Well Locked at Arrival:
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-43			Date	9-28-19
Project Name/Location	Ford LTP		Weather		66.92 degrees F, Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	17-22	Casing Diameter (in.)	2	Well Material	
Static Water Level (ft-bmp)	8.49	Total Depth (ft-bmp)	21.75	Water Column (ft.)	13.26	Gallons in Well	
		Pump Intake (ft-bmp)	19.50	Purge Method	Low-Flow	Sample Method	
		Well Volumes Purged	0.40			Low-Flow	
Sample Time:	Label	11:08	Volume Purged	0.86 gallons	Replicate/Code No.	MW-43-MS/MSD_092819	Sampled by
	Purge Start	10:28					Juli Ryan
	Purge End	11:18					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	E road	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-44		Date	9-19-19	
Project Name/Location	Ford LTP		Weather	73.94 degrees F, Mostly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Gallons in Well	1.95	
Static Water Level (ft-bmp)	8.39	Total Depth (ft-bmp)	20.37	Water Column (ft.)	11.98	Sample Method	Low-Flow	
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.68					
Sample Time:	Label	17:10	Volume Purged	1.32 gallons	Replicate/Code No.	--	Sampled by	Melissa Weaver
	Purge Start	16:25						
	Purge End	17:10						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
16:30	0	100	8.44	0.00	7.56	6.06	0.91	0.29	19.0	-144.5	Clear	None
16:35	5	100	8.44	0.13	7.46	5.94	0.02	0.23	19.1	-138.3	Clear	None
16:40	5	100	8.45	0.26	7.36	5.90	0.65	0.19	19.0	-133.8	Clear	None
16:45	5	100	8.45	0.39	7.28	5.90	0.02	0.19	19.0	-129.7	Clear	None
16:50	5	150	8.48	0.52	7.21	5.87	0.02	0.15	18.4	-127.8	Clear	None
16:55	5	150	8.48	0.72	7.16	5.84	0.02	0.16	18.4	-125.6	Clear	None
17:00	5	150	8.48	0.92	7.51	5.73	0.02	0.18	18.4	-142.8	Clear	None
17:05	5	150	8.48	1.12	7.49	5.72	0.02	0.16	18.4	-141.3	Clear	None
17:10	5	150	8.48	1.32	7.47	5.68	0.02	0.14	18.2	-139.7	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments: Well cover seal needs to be replaced

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
6" = 1.47				

Well Information	
Well Location:	Inside test track
Condition of Well:	Broken thread tabs,Fair,Missing bolts
Well Completion:	Flush mount
Well Locked at Arrival:	n/a
Well Locked at Departure:	n/a
Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-45			Date	9-27-19	
Project Name/Location	Ford LTP		Weather		64.04 degrees F, Mostly Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	10.21	Total Depth (ft-bmp)	19.73	Water Column (ft.)	9.52	Gallons in Well	1.55	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	0.77					
Sample Time:	Label	11:23	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	10:48						
	Purge End	11:22						

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments	Missing 1 bolt

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	SE test track		Well Locked at Arrival:
Condition of Well:	Fair		n/a
Well Completion:	Flush mount		Well Locked at Departure:
			n/a
			Lock Functioning:
			n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-46		Date	9-25-19	
Project Name/Location	Ford LTP		Weather	73.94 degrees F, Cloudy and Windy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	10.39	Total Depth (ft-bmp)	19.75	Water Column (ft.)	9.36	Gallons in Well	1.52	
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	1.03					
Sample Time:	Label	15:25	Volume Purged	1.57 gallons	Replicate/Code No.	--	Sampled by	Juli Ryan
	Purge Start	14:22						
	Purge End	15:30						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:24	0	100	10.85	0.00	7.20	6.84	221.00	0.40	18.9	59.4	Black	None
14:29	5	100	10.80	0.13	7.19	7.20	139.00	0.25	19.0	35.0	Black	None
14:34	5	100	10.80	0.26	7.17	7.69	103.00	0.21	19.0	26.0	Black	None
14:39	5	100	10.80	0.39	7.15	8.07	82.00	0.19	19.0	20.4	Clear	None
14:44	5	100	10.80	0.52	7.14	8.50	65.00	0.17	18.9	11.0	Clear	None
14:49	5	100	10.80	0.65	7.12	8.91	53.80	0.16	18.8	-3.0	Clear	None
14:54	5	100	10.80	0.78	7.11	9.17	46.20	0.14	18.7	-14.6	Clear	None
14:59	5	100	10.80	0.91	7.10	9.45	43.20	0.14	18.6	-21.9	Clear	None
15:05	6	100	10.80	1.07	7.09	9.63	28.90	0.14	18.5	-25.5	Clear	None
15:10	5	100	10.80	1.20	7.08	9.84	22.20	0.13	18.6	-24.9	Clear	None
15:16	6	100	10.80	1.36	7.06	10.01	17.50	0.13	18.5	-24.1	Clear	None
15:21	5	100	10.80	1.49	7.06	10.25	13.50	0.14	18.5	-23.4	Clear	None
15:24	3	100	10.80	1.57	7.06	10.31	12.00	0.14	18.6	-23.1	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments IP slipped during sampling and may have caused mixing increasing turbidity in the sample

Well Casing Volumes			
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26
	1.25" = 0.06	2" = 0.16	3" = 0.37
		3.5" = 0.50	6" = 1.47
		4" = 0.65	
Well Information			
Well Location:	Transducer	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-47		Date	9-25-19	
Project Name/Location	Ford LTP		Weather	75.02 degrees F, Mostly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Gallons in Well	1.58	
Static Water Level (ft-bmp)	10.22	Total Depth (ft-bmp)	19.96	Water Column (ft.)	9.74	Sample Method	Low-Flow	
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.11					
Sample Time:	Label	16:55	Volume Purged	1.76 gallons	Replicate/Code No.	--	Sampled by	Juli Ryan
	Purge Start	16:10						
	Purge End	17:00						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
16:10	0	150	10.46	0.00	6.87	8.28	108.00	0.36	19.8	34.4	Clear	None
16:15	5	150	10.38	0.20	6.91	8.37	89.00	0.24	19.7	20.9	Clear	None
16:20	5	150	10.38	0.40	6.92	8.27	64.00	0.26	19.6	3.4	Clear	None
16:25	5	150	10.38	0.60	6.93	8.26	46.80	0.20	19.5	-2.9	Clear	None
16:30	5	150	10.38	0.80	6.93	8.38	38.80	0.19	19.3	-10.2	Clear	None
16:35	5	150	10.38	1.00	6.93	8.50	33.00	0.17	19.2	-15.5	Clear	None
16:40	5	150	10.38	1.20	6.94	8.57	24.90	0.16	19.2	-20.5	Clear	None
16:45	5	150	10.38	1.40	6.94	8.66	16.20	0.15	19.1	-25.5	Clear	None
16:48	3	150	10.38	1.52	6.94	8.65	15.40	0.15	19.3	-27.2	Clear	None
16:51	3	150	10.38	1.64	6.94	8.67	14.10	0.16	19.3	-28.8	Clear	None
16:54	3	150	10.38	1.76	6.94	8.72	14.10	0.16	19.3	-31.0	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	W ATNPC	Well Locked at Arrival:	n/a	
Condition of Well:	Good, Missing bolts	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-48		Date	9-20-19	
Project Name/Location	Ford LTP		Weather	80.06 degrees F, Partly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	17-22	Casing Diameter (in.)	2	Gallons in Well	1.82	
Static Water Level (ft-bmp)	9.07	Total Depth (ft-bmp)	20.28	Water Column (ft.)	11.21	Sample Method	Low-Flow	
		Pump Intake (ft-bmp)	19.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.13					
Sample Time:	Label	15:40	Volume Purged	2.06 gallons	Replicate/Code No.	--	Sampled by	Melissa Weaver
	Purge Start	14:38						
	Purge End	15:40						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:40	0	125	9.29	0.00	7.25	1.62	26.20	0.60	20.3	-60.9	Clear	None
14:45	5	120	9.33	0.17	7.28	1.60	12.30	0.28	20.3	-68.1	Clear	None
14:50	5	120	9.33	0.33	7.30	1.56	6.26	0.23	20.0	-71.1	Clear with brown specs	None
14:55	5	120	9.33	0.49	7.31	1.52	7.38	0.21	19.0	-77.6	Clear with brown specs	None
15:00	5	120	9.33	0.65	7.33	1.66	1.15	0.19	19.8	-84.2	Clear with brown specs	None
15:05	5	120	9.33	0.81	7.30	1.71	2.87	0.17	19.8	-84.6	Clear with brown specs	None
15:10	5	120	9.33	0.97	7.30	1.77	0.02	0.18	19.9	-84.5	Clear with brown specs	None
15:15	5	120	9.33	1.13	7.33	1.90	0.02	0.16	19.9	-86.6	Clear with brown specs	None
15:20	5	120	9.33	1.29	7.33	2.02	0.02	0.16	19.8	-87.4	Clear with brown specs	None
15:25	5	120	9.33	1.45	7.28	2.09	0.02	0.15	19.8	-86.0	Clear with brown specs	None
15:30	5	120	9.33	1.61	7.27	2.14	0.02	0.12	19.9	-86.1	Clear with brown specs	None
15:35	5	220	9.33	1.77	7.33	2.22	0.02	0.12	19.8	-87.0	Clear with brown specs	None
15:40	5	120	9.33	2.06	7.24	2.26	0.02	0.10	20.0	-81.5	Clear with brown specs	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments: Fumes from engine test near by during purging & sampling. Only one bolt out of three present. Bolt is just laying in the hole.

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Transducer	Well Locked at Arrival:	n/a	
Condition of Well:	Fair, Missing bolts	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-49		Date	9-27-19	
Project Name/Location	Ford LTP		Weather	57.02 degrees F, Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12.5-17.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	6.36	Total Depth (ft-bmp)	17.21	Water Column (ft.)	10.85	Gallons in Well	1.76	
		Pump Intake (ft-bmp)	15.00	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	1.43					
Sample Time:	Label	9:55	Volume Purged	2.52 gallons	Replicate/Code No.	DUP-10	Sampled by	Xenia Chan
	Purge Start	8:50						
	Purge End	9:53						

Xenia

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
8:53	0	160	6.52	0.00	6.95	6.12	30.10	0.69	18.1	-53.0	Clear	None
8:58	5	160	6.53	0.21	6.86	5.94	33.00	0.40	18.3	-74.7	Clear	None
9:03	5	160	6.56	0.42	6.88	5.69	24.50	0.24	18.3	-77.6	Clear	None
9:08	5	160	6.56	0.63	6.90	5.35	13.60	0.18	18.3	-79.6	Clear	None
9:13	5	160	6.55	0.84	6.91	5.16	7.84	0.17	18.3	-80.6	Clear	None
9:18	5	160	6.55	1.05	6.91	5.07	0.02	0.15	18.3	-81.2	Clear	None
9:23	5	160	6.55	1.26	6.92	4.98	0.02	0.14	18.3	-81.8	Clear	None
9:28	5	160	6.55	1.47	6.92	4.89	0.02	0.15	18.4	-81.4	Clear	None
9:33	5	160	6.55	1.68	6.92	4.81	0.02	0.14	18.4	-82.0	Clear	None
9:38	5	160	6.55	1.89	6.92	4.72	0.02	0.12	18.5	-83.3	Clear	None
9:43	5	160	6.55	2.10	6.93	4.62	0.02	0.12	18.4	-83.5	Clear	None
9:48	5	160	6.55	2.31	6.93	4.53	0.02	0.10	18.5	-83.7	Clear	None
9:53	5	160	6.55	2.52	6.94	4.44	0.02	0.10	18.5	-83.9	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	6	HCL
VOCs	40 mL Glass	6	HCL

Comments: Only one bolt can be fastened

Well Casing Volumes			
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26
	1.25" = 0.06	2" = 0.16	3" = 0.37
			3.5" = 0.50
			4" = 0.65
			6" = 1.47
Well Information			
Well Location:	S parking lot, in parking spot next to the right perimeter fence	Well Locked at Arrival:	n/a
Condition of Well:	Fair	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-50		Date	9-20-19	
Project Name/Location	Ford LTP		Weather	66.02 degrees F, Mostly Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	7.95	Total Depth (ft-bmp)	18.84	Water Column (ft.)	10.89	Gallons in Well	1.77	
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	1.36					
Sample Time:	Label	11:35	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	Melissa Weaver
	Purge Start	10:34						
	Purge End	11:35						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:35	0	150	7.95	0.00	7.89	0.28	2.74	0.80	17.2	105.7	Clear	None
10:40	5	150	8.12	0.20	7.86	0.55	0.02	0.47	17.0	-85.9	Clear	None
10:45	5	150	8.13	0.40	7.92	0.90	0.02	1.27	17.0	-111.1	Clear	None
10:50	5	150	8.14	0.60	7.85	1.10	0.02	1.16	16.9	-112.5	Clear	None
10:55	5	150	8.14	0.80	7.76	1.30	0.02	1.08	16.9	-109.6	Clear	None
11:00	5	150	8.14	1.00	7.65	1.52	0.02	0.99	16.8	-8.5	Clear	None
11:05	5	150	8.14	1.20	7.55	1.69	0.02	0.90	16.8	69.8	Clear	None
11:10	5	150	8.14	1.40	7.46	1.82	0.02	0.76	16.9	-79.7	Clear	None
11:15	5	150	8.15	1.60	7.53	1.91	0.02	0.72	16.9	-85.9	Clear	None
11:20	5	150	8.41	1.80	7.50	1.99	0.02	0.59	16.8	-86.2	Clear	None
11:25	5	150	8.15	2.00	7.49	2.07	0.02	0.57	16.8	-85.1	Clear	None
11:30	5	155	8.14	2.20	7.43	2.16	0.02	0.48	16.9	-81.5	Clear	None
11:35	5	155	8.15	2.40	7.43	2.20	0.02	0.50	16.9	-79.4	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Transducer	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-51		Date	9-24-19	
Project Name/Location	Ford LTP		Weather	73.04 degrees F, Mostly Clear		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Gallons in Well	1.10	
Static Water Level (ft-bmp)	7.77	Total Depth (ft-bmp)	14.56	Water Column (ft.)	6.79	Sample Method	Low-Flow	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.22					
Sample Time:	Label	10:25	Volume Purged	1.34 gallons	Replicate/Code No.	--	Sampled by	Melissa Weaver
	Purge Start	9:48						
	Purge End	10:25						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:50	0	150	7.77	0.00	7.74	1.56	0.02	2.45	16.6	86.6	Clear with light brown specs	None
9:55	5	150	7.83	0.20	7.72	1.49	0.20	0.45	16.1	-110.1	Clear with light brown specs	None
10:00	5	150	7.83	0.40	7.70	1.49	0.02	7.70	16.1	-107.1	Clear with some lite brown specs	None
10:05	5	150	7.83	0.60	7.70	1.40	0.02	0.23	16.1	-114.5	Clear with light brown specs	None
10:10	5	150	7.83	0.80	7.65	1.33	0.02	0.32	16.1	-113.0	Clear with light brown specs	None
10:15	5	160	7.83	1.00	7.65	1.31	0.02	0.22	16.2	-113.5	Clear with light brown specs	None
10:20	5	100	7.82	1.21	7.66	1.29	0.02	0.21	16.4	-114.5	Clear with light brown specs	None
10:25	5	100	7.82	1.34	7.64	1.28	0.02	0.22	16.4	-113.2	Clear with light brown specs	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Inside test track	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-52		Date	9-28-19	
Project Name/Location	Ford LTP		Weather	68.00 degrees F, Light Rain		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Gallons in Well	1.81	
Static Water Level (ft-bmp)	8.59	Total Depth (ft-bmp)	19.75	Water Column (ft.)	11.16	Sample Method	Low-Flow	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.61					
Sample Time:	Label	12:40	Volume Purged	1.1 gallons	Replicate/Code No.	MW-52-MS/MSD_092819	Sampled by	Juli Ryan
	Purge Start	11:52						
	Purge End	12:48						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:53	0	100	8.70	0.00	7.24	7.85	23.40	0.61	18.2	-31.0	Clear	None
11:58	5	100	8.65	0.13	7.23	7.91	23.10	0.36	18.2	-50.5	Clear	None
12:03	5	100	8.65	0.26	7.23	7.87	17.10	0.28	18.2	-59.3	Clear	None
12:08	5	100	8.65	0.39	7.24	7.86	13.00	0.22	18.2	-63.6	Clear	None
12:13	5	100	8.65	0.52	7.23	7.87	10.60	0.21	18.2	-66.4	Clear	None
12:18	5	100	8.65	0.65	7.23	7.87	11.40	0.20	18.2	-67.4	Clear	None
12:23	5	100	8.65	0.78	7.23	7.87	13.80	0.18	18.2	-68.5	Clear	None
12:26	3	100	8.65	0.86	7.23	7.87	10.30	0.18	18.2	-68.9	Clear	None
12:29	3	100	8.65	0.94	7.23	7.85	11.70	0.17	18.1	-69.3	Clear	None
12:32	3	100	8.65	1.02	7.23	7.85	11.30	0.19	18.1	-69.8	Clear	None
12:35	3	100	8.65	1.10	7.23	7.84	12.00	0.19	18.1	-70.2	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL

Comments	None

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65

Well Information		
Well Location:	E road	Well Locked at Arrival: n/a
Condition of Well:	Good	Well Locked at Departure: n/a
Well Completion:	Flush mount	Lock Functioning: n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-53		Date	9-28-19	
Project Name/Location	Ford LTP		Weather	69.98 degrees F, Mostly Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	8.32	Total Depth (ft-bmp)	20.80	Water Column (ft.)	12.48	Gallons in Well	2.03	
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	1.12					
Sample Time:	Label	13:34	Volume Purged	8631 ml	Replicate/Code No.	--	Sampled by	Julia McClafferty
	Purge Start	12:41						
	Purge End	13:34						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:41	0	170	8.80	0.00	7.72	5.90	55.80	0.52	16.5	-53.2	Clear	None
12:46	5	175	8.75	0.22	7.47	5.89	54.50	0.33	16.3	-61.9	Clear	None
12:51	5	170	8.76	0.45	7.38	5.70	41.10	0.26	16.2	-72.1	Clear	None
12:56	5	175	8.67	0.67	7.35	5.67	34.30	0.22	16.4	-74.8	Clear	None
13:01	5	175	8.67	0.90	7.34	5.67	18.50	0.19	16.2	-77.4	Clear	None
13:06	5	175	8.68	1.13	7.33	5.70	11.00	0.18	16.2	-79.0	Clear	None
13:11	5	175	8.68	1.36	7.32	5.73	7.75	0.17	16.1	-80.5	Clear	None
13:16	5	175	8.70	1.59	7.32	5.74	6.64	0.16	16.0	-81.7	Clear	None
13:21	5	175	8.71	1.82	7.32	5.75	3.73	0.17	15.9	-82.3	Clear	None
13:26	5	175	8.71	2.05	7.32	5.76	2.30	0.14	15.9	-82.8	Clear	None
13:31	5	175	8.71	2.28	7.31	5.76	2.29	0.13	15.9	-83.4	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes			
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26
	1.25" = 0.06	2" = 0.16	3" = 0.37
			3.5" = 0.50
			4" = 0.65
Well Information			
Well Location:	North end of site; against fence	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-54		Date	9-27-19	
Project Name/Location	Ford LTP		Weather	59.00 degrees F, Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	8.42	Total Depth (ft-bmp)	20.82	Water Column (ft.)	12.40	Gallons in Well	2.01	
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	0.88					
Sample Time:	Label	10:34	Volume Purged	1.76 gallons	Replicate/Code No.	--	Sampled by	Rachel Bielak
	Purge Start	9:57						
	Purge End	10:42						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:57	0	150	8.42	0.00	526.00	8.67	38.30	1.25	15.2	207.4	Clear	None
10:02	5	175	8.91	0.20	5.28	8.72	41.10	0.63	15.2	188.2	Clear	None
10:07	5	175	8.91	0.43	5.28	8.64	21.30	0.28	15.3	153.0	Clear	None
10:12	5	175	8.91	0.66	5.26	8.57	16.30	0.23	15.2	134.9	Clear	None
10:17	5	175	8.89	0.89	5.24	8.52	9.72	0.19	15.2	118.8	Clear	None
10:22	5	175	8.89	1.12	5.22	8.53	7.23	0.18	15.2	106.6	Clear	None
10:25	3	175	8.89	1.34	5.20	8.54	7.18	0.20	15.3	100.8	Clear	None
10:28	3	175	8.89	1.48	5.18	8.55	4.03	0.19	15.3	97.0	Clear	None
10:31	3	175	8.89	1.62	5.17	8.58	3.20	0.20	15.3	93.9	Clear	None
10:34	3	175	8.89	1.76	5.16	8.63	3.13	0.20	15.3	90.1	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

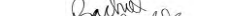
* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	NE corner of Ford property		Well Locked at Arrival:	n/a
Condition of Well:	Good		Well Locked at Departure:	n/a
Well Completion:	Flush mount		Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-54S			Date	9-27-19
Project Name/Location	Ford LTP		Weather		64.04 degrees F, Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-9.5	Casing Diameter (in.)	2	Well Material	
Static Water Level (ft-bmp)	7.56	Total Depth (ft-bmp)	9.22	Water Column (ft.)	1.66	Gallons in Well	0.27
		Pump Intake (ft-bmp)	9.00	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	0.74				
Sample Time:	Label	12:15	Volume Purged	0.2 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	11:05					Rachel Bielak
	Purge End	12:15					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Well ran dry @ 11:18, recharged to 8' btoc by 11:47, pump 11:47-11:52 @ 150 mL/min allow to recharge 11:52-12:15, recharged to 8' btoc, collect sample

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	NE corner of Ford property, S of mw-54		Well Locked at Arrival:
Condition of Well:	Good		Well Locked at Departure:
Well Completion:	Flush mount		Lock Functioning:
			yes
			yes
			yes

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-55			Date	9-25-19
Project Name/Location	Ford LTP		Weather		60.08 degrees F, Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	9.11	Total Depth (ft-bmp)	19.55	Water Column (ft.)	10.44	Gallons in Well	1.70
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	0.61				
Sample Time:	Label	10:10	Volume Purged	1.04 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	9:27					Heather Woodrum
	Purge End	10:08					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	On-site by back fence	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-55D		Date	9-25-19	
Project Name/Location	Ford LTP		Weather	66.02 degrees F, Mostly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	19.24	Casing Diameter (in.)	2	Gallons in Well	2.36	
Static Water Level (ft-bmp)	9.49	Total Depth (ft-bmp)	24.00	Water Column (ft.)	14.51	Sample Method	Low-Flow	
		Pump Intake (ft-bmp)	21.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.66					
Sample Time:	Label	11:40	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Heather Woodrum
	Purge Start	10:36						
	Purge End	11:36						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:36	0	100	9.45	0.00	7.40	4.54	952.00	1.44	18.2	-37.0	Gray	None
10:41	5	100	9.45	0.13	7.38	4.49	982.00	0.33	18.4	-69.4	Gray	None
10:46	5	100	9.45	0.26	7.37	4.48	1040.00	0.23	18.4	-84.4	Gray	None
10:51	5	100	9.45	0.39	7.37	4.48	980.00	0.21	18.3	-91.7	Gray	None
10:56	5	100	9.45	0.52	7.36	4.49	895.00	0.17	18.7	-97.7	Gray	None
11:01	5	100	9.45	0.65	7.37	4.49	923.00	0.17	18.3	-101.6	Gray	None
11:06	5	100	9.45	0.78	7.35	4.49	803.00	0.28	18.5	-102.8	Gray	None
11:11	5	100	9.45	0.91	7.36	4.49	719.00	0.18	18.6	-104.0	Gray	None
11:16	5	100	9.45	1.04	7.36	4.50	699.00	0.15	18.5	-104.9	Gray	None
11:21	5	100	9.45	1.17	7.35	4.49	628.00	0.14	18.6	-105.3	Gray	None
11:26	5	100	9.45	1.30	7.35	4.49	561.00	0.14	18.7	-105.3	Gray	None
11:31	5	100	9.45	1.43	7.35	4.49	599.00	0.12	18.7	-105.7	Gray	None
11:36	5	100	9.45	1.56	7.36	4.49	497.00	0.12	18.7	-105.8	Gray	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments: Turbidity very high, pressure built up inside well, take caution when pulling cap

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
6" = 1.47				

Well Information			
Well Location:	On site near fence	Well Locked at Arrival:	n/a
Condition of Well:	Fair	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-56		Date	9-25-19	
Project Name/Location	Ford LTP		Weather	73.04 degrees F, Cloudy and Windy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	8.28	Total Depth (ft-bmp)	20.39	Water Column (ft.)	12.11	Gallons in Well	1.97	
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	1.02					
Sample Time:	Label	13:56	Volume Purged	2 gallons	Replicate/Code No.	--	Sampled by	Heather Woodrum
	Purge Start	13:04						
	Purge End	13:54						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:04	0	150	8.49	0.00	7.19	19.23	3.28	0.66	18.1	31.9	None	None
13:09	5	150	8.49	0.20	7.31	16.72	3.76	0.33	17.7	-21.2	None	None
13:14	5	150	8.49	0.40	7.34	15.79	4.82	0.23	17.7	-52.4	None	None
13:19	5	150	8.49	0.60	7.33	15.57	9.03	0.19	17.8	-74.6	None	None
13:24	5	150	8.49	0.80	7.33	15.81	11.90	0.18	17.8	-82.1	None	None
13:29	5	150	8.49	1.00	7.33	16.01	13.90	0.16	17.6	-88.9	None	None
13:34	5	150	8.48	1.20	7.31	16.27	17.10	0.20	17.8	-92.0	None	None
13:39	5	150	8.48	1.40	7.32	16.36	20.10	0.16	17.6	-95.2	None	None
13:44	5	150	8.48	1.60	7.32	16.52	21.70	0.14	17.7	-97.8	None	None
13:49	5	150	8.48	1.80	7.32	16.62	22.70	0.14	17.7	-99.9	None	None
13:54	5	150	8.48	2.00	7.32	16.65	23.90	0.13	17.7	-101.5	None	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
6" = 1.47				

Well Information				
Well Location:	North of road near fence	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-57		Date	9-27-19	
Project Name/Location	Ford LTP		Weather	57.02 degrees F, Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	17-22	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	8.04	Total Depth (ft-bmp)	28.68	Water Column (ft.)	20.64	Gallons in Well	3.35	
		Pump Intake (ft-bmp)	19.50	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	0.46					
Sample Time:	Label	9:59	Volume Purged	1.53 gallons	Replicate/Code No.	--	Sampled by	Melissa Weaver
	Purge Start	8:58						
	Purge End	9:59						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
8:59	0	100	8.35	0.00	9.70	9.87	27.00	3.18	18.2	196.7	Clear	None
9:04	5	100	8.50	0.13	8.36	10.80	19.70	0.48	17.9	-188.9	Clear	None
9:09	5	100	8.55	0.26	8.58	10.26	6.39	0.36	17.8	233.1	Clear	None
9:14	5	100	8.58	0.27	8.59	9.97	6.48	0.29	17.8	-262.3	Clear	None
9:19	5	100	8.60	0.40	8.24	10.15	1.57	0.24	17.7	-255.5	Clear	None
9:24	5	100	8.62	0.53	8.00	10.30	0.38	0.22	17.8	-237.1	Clear	None
9:29	5	100	8.63	0.66	7.73	10.47	0.36	0.21	17.0	-220.0	Clear	None
9:34	5	100	8.65	0.67	7.59	10.55	0.02	0.20	17.9	-206.3	Clear	None
9:39	5	100	8.65	0.80	7.47	10.59	0.02	0.20	17.9	-198.2	Clear	None
9:44	5	150	8.66	0.93	7.44	10.60	0.02	0.19	17.8	-193.6	Clear	None
9:49	5	150	8.65	1.13	7.37	10.69	0.02	0.18	17.8	-186.0	Clear	None
9:54	5	150	8.65	1.33	7.32	10.80	0.02	0.18	17.8	-182.4	Clear	None
9:59	5	150	8.65	1.53	7.29	10.77	0.02	0.15	17.9	-179.7	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	NW Corner	Well Locked at Arrival:	n/a	
Condition of Well:	Broken thread tabs,Fair	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-58		Date	9-25-19	
Project Name/Location	Ford LTP		Weather	75.92 degrees F, Mostly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Gallons in Well	2.26	
Static Water Level (ft-bmp)	5.74	Total Depth (ft-bmp)	19.66	Water Column (ft.)	13.92	Sample Method	Low-Flow	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.04					
Sample Time:	Label	17:17	Volume Purged	2.34 gallons	Replicate/Code No.	--	Sampled by	Madison Olender
	Purge Start	16:29						
	Purge End	17:21						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
16:30	0	200	5.74	0.00	6.83	16.95	39.10	0.66	20.2	-103.7	None	None
16:35	5	200	5.74	0.26	6.94	12.05	7.65	0.13	20.0	-115.0	None	None
16:40	5	200	5.74	0.52	6.96	10.98	2.63	0.00	19.9	-118.9	None	None
16:45	5	200	5.74	0.78	6.94	11.01	2.41	0.00	19.9	-118.8	None	None
16:50	5	200	5.74	1.04	6.93	11.29	2.41	0.00	19.9	-118.9	None	None
16:55	5	200	5.74	1.30	6.93	11.57	0.02	0.00	19.8	-119.1	None	None
17:00	5	200	5.74	1.56	6.92	11.81	0.02	0.00	19.8	-119.4	None	None
17:05	5	200	5.74	1.82	6.92	11.96	0.02	0.00	19.7	-119.9	None	None
17:10	5	200	5.74	2.08	6.91	12.17	0.02	0.00	19.7	-120.4	None	None
17:15	5	200	5.74	2.34	6.91	12.28	0.02	0.00	19.7	-121.2	None	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	North parking lot	Well Locked at Arrival:	n/a
Condition of Well:	Broken thread tabs,Fair	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-62		Date	9-27-19	
Project Name/Location	Ford LTP		Weather	73.04 degrees F, Mostly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Gallons in Well	1.95	
Static Water Level (ft-bmp)	9.16	Total Depth (ft-bmp)	21.16	Water Column (ft.)	12.00	Sample Method	Low-Flow	
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.16					
Sample Time:	Label	16:03	Volume Purged	2.27 gallons	Replicate/Code No.	--	Sampled by	Melissa Weaver
	Purge Start	15:03						
	Purge End	16:03						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
15:03	0	150	9.21	0.00	6.73	5.51	27.30	1.84	20.8	-121.2	Clear with some black specs	None
15:08	5	150	9.21	0.20	6.82	5.58	24.80	0.30	20.4	-133.4	Clear with some black specs	None
15:13	5	150	9.20	0.40	6.76	5.65	19.00	0.22	20.4	-130.8	Clear with some black specs	None
15:18	5	150	9.20	0.60	6.70	5.73	14.40	0.19	20.3	-127.3	Clear with some black specs	None
15:23	5	150	9.20	0.80	6.64	5.85	4.88	0.18	20.3	-124.7	Clear with some black specs	None
15:28	5	150	9.20	1.00	6.59	5.90	4.53	0.16	20.2	-121.9	Clear	None
15:33	5	150	9.20	1.20	6.54	5.92	9.96	0.15	20.2	-119.2	Clear	None
15:38	5	150	9.20	1.40	6.50	5.95	8.65	0.14	20.3	-117.2	Clear	None
15:43	5	150	9.20	1.47	6.57	5.96	4.19	0.24	20.2	-126.0	Clear	None
15:48	5	150	9.20	1.67	6.46	5.96	7.06	0.20	20.2	-114.1	Clear	None
15:53	5	150	9.20	1.87	6.83	5.97	7.02	0.13	20.2	-137.0	Clear	None
15:58	5	150	9.20	2.07	6.91	6.00	6.12	0.11	19.8	-141.8	Clear	None
16:03	5	150	9.20	2.27	6.83	5.97	1.12	0.14	19.7	-135.8	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Transducer	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-63		Date	9-20-19	
Project Name/Location	Ford LTP		Weather	69.98 degrees F, Partly Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	7-12	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	8.14	Total Depth (ft-bmp)	11.80	Water Column (ft.)	3.66	Gallons in Well	0.59	
		Pump Intake (ft-bmp)	9.50	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	2.59					
Sample Time:	Label	13:20	Volume Purged	1.53 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	12:34					Melissa Weaver	
	Purge End	13:20						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:35	0	125	8.14	0.00	7.45	2.36	0.02	1.44	21.8	159.9	Clear	None
12:40	5	125	8.14	0.17	7.41	2.39	0.02	0.26	20.9	141.9	Clear	None
12:45	5	125	8.14	0.34	7.44	2.40	0.02	0.18	20.8	118.3	Clear	None
12:50	5	125	8.14	0.51	7.45	2.40	0.02	0.17	20.6	85.6	Clear	None
12:55	5	125	8.14	0.68	7.45	2.38	0.02	0.15	20.5	42.4	Clear	None
13:00	5	125	8.11	0.85	7.45	2.37	0.02	0.16	20.5	1.6	Clear	None
13:05	5	125	8.11	1.02	7.44	2.37	0.02	0.15	20.5	-9.8	Clear	None
13:10	5	125	8.11	1.19	7.45	2.36	0.02	0.16	20.5	-21.7	Clear	None
13:15	5	125	8.11	1.36	7.45	2.36	0.02	0.14	20.5	-23.6	Clear	None
13:20	5	125	8.11	1.53	7.45	2.36	0.02	0.24	20.5	-18.1	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments: The wind was blowing fumes near well during purging & sampling.

Well Casing Volumes				
Gallons/foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Transducer	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-64			Date	9-27-19
Project Name/Location	Ford LTP		Weather		64.04 degrees F, Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	9.61	Total Depth (ft-bmp)	20.00	Water Column (ft.)	10.39	Gallons in Well	1.69
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	0.67				
Sample Time:	Label	11:45	Volume Purged	1.14 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	11:16					Melissa Weaver
	Purge End	11:45					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	E ATNPC	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-65		Date	9-18-19	
Project Name/Location	Ford LTP		Weather	69.08 degrees F, Mostly Clear				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	9.36	Total Depth (ft-bmp)	21.10	Water Column (ft.)	11.74	Gallons in Well	1.91	
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	1.07					
Sample Time:	Label	17:10	Volume Purged	2.04 gallons	Replicate/Code No.	--	Sampled by	Melissa Weaver
	Purge Start	16:00						
	Purge End	17:10						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
16:10	0	125	9.40	0.00	7.35	3.53	57.20	1.41	15.9	-232.8	Clear	None
16:15	5	125	9.40	0.17	7.32	3.62	26.50	0.69	16.9	-234.4	Clear	None
16:20	5	125	9.40	0.34	7.34	3.62	23.70	0.81	16.0	-236.0	Clear	None
16:25	5	125	9.40	0.51	7.31	3.63	11.30	0.57	15.7	-236.9	Clear	None
16:30	5	125	9.40	0.68	7.34	3.61	12.20	0.58	15.6	-238.3	Clear	None
16:35	5	125	9.40	0.85	7.34	3.59	10.50	0.62	15.6	-239.7	Clear	None
16:40	5	125	9.40	1.02	7.39	3.57	5.43	0.62	15.5	-245.0	Clear	None
16:45	5	125	9.40	1.19	7.35	3.54	6.30	0.71	15.4	-239.4	Clear	None
16:50	5	125	9.40	1.36	7.34	3.52	5.99	0.51	15.5	-239.1	Clear	None
16:55	5	125	9.40	1.53	7.33	3.50	0.42	0.63	15.4	-237.3	Clear	None
17:00	5	125	9.40	1.70	7.33	3.49	0.33	0.51	15.3	-238.0	Clear	None
17:05	5	125	9.40	1.87	7.34	3.47	0.94	0.48	15.3	-237.5	Clear	None
17:10	5	125	9.40	2.04	7.33	3.45	0.07	0.50	15.3	-235.0	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments: No lock on well. One bolt missing.

Well Casing Volumes			
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26
	1.25" = 0.06	2" = 0.16	3" = 0.37
			3.5" = 0.50
			4" = 0.65
			6" = 1.47
Well Information			
Well Location:	Inside test track	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-66			Date	9-19-19
Project Name/Location	Ford LTP		Weather			60.08 degrees F, Mostly Clear	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	7.34	Total Depth (ft-bmp)	19.00	Water Column (ft.)	11.66	Gallons in Well	1.89
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	1.16				
Sample Time:	Label	11:30	Volume Purged	2.2 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	10:33					Melissa Weaver
	Purge End	11:30					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	Inside test track	Well Locked at Arrival:	n/a
Condition of Well:	Broken thread tabs,Fair	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-67			Date	9-20-19
Project Name/Location	Ford LTP		Weather		66.92 degrees F, Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	9-14	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	9.56	Total Depth (ft-bmp)	14.12	Water Column (ft.)	4.56	Gallons in Well	0.74
		Pump Intake (ft-bmp)	11.50	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	2.11				
Sample Time:	Label	12:30	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	11:56					Heather Woodrum
	Purge End	12:26					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	On site, in parking area. Next to parking spot		Well Locked at Arrival:
Condition of Well:	Fair, Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-68			Date	9-25-19
Project Name/Location	Ford LTP		Weather		75.02 degrees F, Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	9.46	Total Depth (ft-bmp)	20.00	Water Column (ft.)	10.54	Gallons in Well	1.71
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	0.91				
Sample Time:	Label	16:50	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	16:18					Heather Woodrum
	Purge End	16:48					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	Near Gate 2	Well Locked at Arrival:	n/a
Condition of Well:	Good, Missing bolts	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-69			Date	9-23-19
Project Name/Location	Ford LTP		Weather			73.04 degrees F. Partly Cloudy and Windy	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	10.30	Total Depth (ft-bmp)	19.91	Water Column (ft.)	9.61	Gallons in Well	1.56
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	0.73				
Sample Time:	Label	18:03	Volume Purged	1.14 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	17:32					Melissa Weaver
	Purge End	18:03					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	E ATNPC	Well Locked at Arrival:	n/a
Condition of Well:	Broken thread tabs,Fair,Missing bolts	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-70		Date	9-26-19	
Project Name/Location	Ford LTP		Weather	71.06 degrees F, Mostly Clear		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Gallons in Well	1.51	
Static Water Level (ft-bmp)	10.78	Total Depth (ft-bmp)	20.10	Water Column (ft.)	9.32	Sample Method	Low-Flow	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.66					
Sample Time:	Label	16:09	Volume Purged	0.99 gallons	Replicate/Code No.	DUP-11	Sampled by	Juli Ryan
	Purge Start	15:26						
	Purge End	16:16						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
15:28	0	100	10.82	0.00	6.90	5.18	31.40	0.44	19.3	48.8	Clear	None
15:33	5	100	10.82	0.13	6.95	5.14	29.10	0.31	19.2	1.5	Clear	None
15:38	5	100	10.82	0.26	6.98	5.06	21.50	0.26	19.1	-21.7	Clear	None
15:43	5	100	10.82	0.39	7.00	4.98	13.40	0.22	19.1	-32.3	Clear	None
15:48	5	100	10.82	0.52	6.99	5.03	17.40	0.21	19.1	-38.2	Clear	None
15:53	5	100	10.82	0.65	6.98	5.12	11.70	0.20	19.0	-39.3	Clear	None
15:58	5	100	10.82	0.78	6.97	5.22	11.60	0.18	18.9	-40.0	Clear	None
16:03	5	100	10.82	0.91	6.97	5.28	11.40	0.17	18.9	-40.6	Clear	None
16:06	3	100	10.82	0.99	6.97	5.31	11.50	0.16	18.8	-41.2	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	6	HCL
1,4-dioxane	40 mL Glass	6	HCL
Comments	None		

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	W ANTPC	Well Locked at Arrival:	n/a	
Condition of Well:	Good, Missing bolts	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-71		Date	9-27-19	
Project Name/Location	Ford LTP		Weather	69.08 degrees F, Mostly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Gallons in Well	1.62	
Static Water Level (ft-bmp)	11.10	Total Depth (ft-bmp)	21.06	Water Column (ft.)	9.96	Sample Method	Low-Flow	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.91					
Sample Time:	Label	13:18	Volume Purged	1.47 gallons	Replicate/Code No.	--	Sampled by	Melissa Weaver
	Purge Start	12:32						
	Purge End	13:18						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:33	0	100	11.16	0.00	6.99	19.09	29.70	2.77	21.3	-140.9	Clear	None
12:38	5	125	11.35	0.13	6.83	21.22	36.90	0.28	19.6	-126.1	Clear with orange specks	None
12:43	5	125	11.36	0.26	6.80	21.10	53.00	0.19	19.6	-124.1	Clear with orange specks	None
12:48	5	150	11.35	0.27	6.55	21.09	86.50	0.60	19.7	-112.3	Clear with orange specks	None
12:53	5	150	11.35	0.47	6.80	21.10	92.80	0.20	19.6	-126.5	Clear with orange specks	None
12:58	5	150	11.35	0.67	6.76	21.12	68.30	0.16	19.6	-126.7	Clear with orange specks	None
13:03	5	150	11.35	0.87	6.79	21.13	57.00	0.17	19.6	-128.0	Clear with orange specks	None
13:08	5	150	11.35	1.07	6.81	21.11	40.60	0.14	19.6	-128.7	Clear with orange specks	None
13:13	5	150	11.35	1.27	6.81	21.10	40.20	0.14	19.5	-129.2	Clear with orange specks	None
13:18	5	150	11.65	1.47	6.81	21.08	37.90	0.13	19.5	-129.7	Clear with orange specks	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments One of the bolts won't screw in.

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Transducer	Well Locked at Arrival:	n/a	
Condition of Well:	Fair	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-113			Date	9-25-19
Project Name/Location	Ford LTP		Weather			73.04 degrees F, Cloudy and Windy	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-10	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	5.15	Total Depth (ft-bmp)	9.53	Water Column (ft.)	4.38	Gallons in Well	0.71
		Pump Intake (ft-bmp)	7.50	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	2.20				
Sample Time:	Label	13:10	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:37					Madison Olender
	Purge End	13:14					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	Inside gate by emergency response point 11	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-114			Date	9-25-19
Project Name/Location	Ford LTP		Weather		66.02 degrees F, Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-10	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	5.75	Total Depth (ft-bmp)	9.43	Water Column (ft.)	3.68	Gallons in Well	0.60
		Pump Intake (ft-bmp)	7.50	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	2.60				
Sample Time:	Label	11:56	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	11:21					Madison Olender
	Purge End	12:00					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments	Casing loose

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	Inside gate by rr tracks		Well Locked at Arrival:
Condition of Well:	Fair	Well Locked at Departure:	no
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	MW-120		Date	9-28-19	
Project Name/Location	Ford LTP		Weather	68.00 degrees F, Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	7-12	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	6.79	Total Depth (ft-bmp)	11.75	Water Column (ft.)	4.96	Gallons in Well	0.81	
		Pump Intake (ft-bmp)	9.50	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	1.40					
Sample Time:	Label	15:10	Volume Purged	1.13 gallons	Replicate/Code No.	--	Sampled by	Juli Ryan
	Purge Start	14:21						
	Purge End	15:15						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:24	0	100	6.81	0.00	6.99	0.94	85.10	0.44	18.4	27.9	Clear	None
14:30	6	100	6.81	0.16	6.87	0.88	53.40	0.24	18.3	26.1	Clear	None
14:35	5	100	6.81	0.29	6.90	0.87	44.10	0.26	18.3	19.2	Clear	None
14:40	5	100	6.81	0.42	6.93	0.87	35.10	0.27	18.3	14.0	Clear	None
14:45	5	100	6.81	0.55	6.94	0.88	30.90	0.26	18.3	11.7	Clear	None
14:50	5	100	6.81	0.68	6.95	0.88	27.30	0.25	18.3	9.3	Clear	None
14:55	5	100	6.81	0.81	6.95	0.89	24.00	0.25	18.3	8.6	Clear	None
14:58	3	100	6.81	0.89	6.95	0.88	22.60	0.23	18.3	7.7	Clear	None
15:01	3	100	6.81	0.97	6.95	0.88	18.90	0.23	18.3	7.3	Clear	None
15:04	3	100	6.81	1.05	6.95	0.89	17.40	0.23	18.3	7.0	Clear	None
15:07	3	100	6.81	1.13	6.95	0.88	18.00	0.21	18.3	6.3	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments: Gate 1A, accessible from gate 6 if blocked

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	N road	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-122		Date	9-25-19
Project Name/Location	Ford LTP		Weather		75.02 degrees F, Cloudy	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-20	Casing Diameter (in.)	2	PVC
Static Water Level (ft-bmp)	9.98	Total Depth (ft-bmp)	21.00	Water Column (ft.)	11.02	Gallons in Well
		Pump Intake (ft-bmp)	18.00	Purge Method	Low-Flow	Sample Method
		Well Volumes Purged	0.51			Low-Flow
Sample Time:	Label	15:27	Volume Purged	0.91 gallons	Replicate/Code No.	--
	Purge Start	14:50				
	Purge End	15:25				

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	North area, 9 steps from road	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	MW-124			Date	9-30-19
Project Name/Location	Ford LTP		Weather		64.94 degrees F, Fog/Mist		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-10	Casing Diameter (in.)	2	Well Material	
Static Water Level (ft-bmp)	2.01	Total Depth (ft-bmp)	9.60	Water Column (ft.)	7.59	Gallons in Well	
		Pump Intake (ft-bmp)	7.50	Purge Method	Low-Flow	Sample Method	
		Well Volumes Purged	1.14			Low-Flow	
Sample Time:	Label	13:57	Volume Purged	1.4 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	13:20					Heather Woodrum
	Purge End	13:55					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	Across from dock 28		Well Locked at Arrival:
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	PW-16-01			Date	9-24-19
Project Name/Location	Ford LTP		Weather		75.92 degrees F, Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	9.7-19.7	Casing Diameter (in.)	4	Well Material	
Static Water Level (ft-bmp)	8.42	Total Depth (ft-bmp)	21.50	Water Column (ft.)	13.08	Gallons in Well	8.50
		Pump Intake (ft-bmp)	14.70	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	0.14				
Sample Time:	Label	15:25	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	14:52					Melissa Weaver
	Purge End	15:25					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	Inside test track	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	PW-16-02			Date	9-27-19
Project Name/Location	Ford LTP		Weather		73.04 degrees F, Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12-17	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	6.77	Total Depth (ft-bmp)	23.73	Water Column (ft.)	16.96	Gallons in Well	2.76
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	0.43				
Sample Time:	Label	14:56	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	14:22					Xenia Chan
	Purge End	15:54					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	Inside test track	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	TW-16-01			Date	9-24-19
Project Name/Location	Ford LTP		Weather		73.04 degrees F, Mostly Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12-17	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	7.65	Total Depth (ft-bmp)	16.64	Water Column (ft.)	8.99	Gallons in Well	1.46
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	0.64				
Sample Time:	Label	13:56	Volume Purged	0.93 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	13:25					Melissa Weaver
	Purge End	13:56					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	Inside test track	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001		Well ID	TW-16-02		Date	9-24-19	
Project Name/Location	Ford LTP		Weather	73.04 degrees F, Mostly Clear		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12-17	Casing Diameter (in.)	2	Gallons in Well	2.02	
Static Water Level (ft-bmp)	4.47	Total Depth (ft-bmp)	16.90	Water Column (ft.)	12.43	Sample Method	Low-Flow	
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.87					
Sample Time:	Label	12:35	Volume Purged	1.75 gallons	Replicate/Code No.	--	Sampled by	Melissa Weaver
	Purge Start	11:49						
	Purge End	12:35						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:50	0	145	7.53	0.00	1.00	4.45	0.02	2.29	20.0	322.1	Clear with some light brown specs	None
11:55	5	145	7.53	0.19	2.22	4.62	0.02	0.38	19.5	143.2	Clear with some light brown specs	None
12:00	5	145	7.53	0.38	5.24	4.60	0.02	0.21	19.5	-30.4	Clear with some light brown specs	None
12:05	5	145	7.53	0.57	5.16	4.61	0.02	0.17	19.6	-27.3	Clear with some light brown specs	None
12:10	5	145	7.53	0.76	6.95	4.64	0.02	0.18	19.6	-127.3	Clear with some light brown specs	None
12:15	5	150	7.53	0.95	6.86	4.66	0.02	0.16	19.6	-122.2	Clear with some light brown specs	None
12:20	5	150	7.53	1.15	6.80	4.66	0.02	0.16	19.5	-118.7	Clear with some light brown specs	None
12:25	5	150	7.53	1.35	5.47	4.66	0.02	0.15	19.5	-44.5	Clear with some light brown specs	None
12:30	5	150	7.53	1.55	5.50	4.67	0.02	0.13	19.5	-46.4	Clear with some light brown specs	None
12:35	5	150	7.53	1.75	5.52	4.66	0.02	0.12	19.5	-47.3	Clear with some light brown specs	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
VOCs	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Inside test track	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	TW-16-03		Date	9-27-19		
Project Name/Location	Ford LTP		Weather		71.96 degrees F, Mostly Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	9-19	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	6.21	Total Depth (ft-bmp)	18.83	Water Column (ft.)	12.62	Gallons in Well	2.05	
		Pump Intake (ft-bmp)	14.00	Purge Method	Low-Flow	Sample Method	Low-Flow	
		Well Volumes Purged	0.59					
Sample Time:	Label	13:57	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	13:20						
	Purge End	13:56						

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information	
Well Location:	Well Locked at Arrival:
Condition of Well:	Well Locked at Departure:
Well Completion:	Lock Functioning:

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00001	Well ID	TW-16-04			Date	9-27-19
Project Name/Location	Ford LTP		Weather		69.08 degrees F, Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	10-19	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	6.53	Total Depth (ft-bmp)	18.95	Water Column (ft.)	12.42	Gallons in Well	2.02
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	0.69				
Sample Time:	Label	12:53	Volume Purged	1.4 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:15					Xenia Chan
	Purge End	12:52					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
VOCs	40 mL Glass	3	HCL

Comments	None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	Inside test track	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

APPENDIX C

Off-Site Groundwater Field Sampling Logs





SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-193S

Date

9-16-19

Project Name/Location

Ford LTP

Weather

73.94 degrees F, Cloudy

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

3-8

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

4.95

Total Depth (ft-bmp)

7.34

Water Column (ft.)

2.39

Gallons in Well

0.39

Pump Intake (ft-bmp)

6.45

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

4.54

Replicate/Code No.

--

Sampled by

Julia McClafferty

Sample Time:

Label

11:25

Volume Purged

1.77 gallons

Purge Start

10:41

Purge End

11:21



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:44	0	200	5.14	0.00	6.59	0.57	11.70	0.70	19.6	303.6	Clear	None
10:48	4	200	5.21	0.21	6.80	0.56	1.94	0.35	19.5	242.1	Clear	None
10:53	5	200	5.25	0.47	6.90	0.56	0.02	0.23	19.4	150.9	Clear	None
10:58	5	200	5.32	0.73	6.94	0.56	0.02	0.20	19.3	109.3	Clear	None
11:03	5	200	5.33	0.99	6.97	0.56	0.02	0.16	19.3	97.4	Clear	None
11:08	5	200	5.39	1.25	6.98	0.57	0.02	0.29	19.3	90.6	Clear	None
11:13	5	200	5.37	1.51	6.90	0.57	0.02	0.23	19.2	85.9	Clear	None
11:18	5	200	5.39	1.77	7.00	0.58	0.02	0.23	19.2	80.6	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

1,4-dioxane

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

34940 Beacon

Well Locked at Arrival:

no

Condition of Well:

Good

Well Locked at Departure:

no

Well Completion:

Flush mount

Lock Functioning:

n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.

30016346.00002

Project Name/Location

Ford LTP

Measuring Pt. Description

Top of Casing

Static Water Level (ft-bmp)

8.94

Well ID

MW-72

Weather

69.08 degrees F, Mostly Cloudy

Casing Diameter (in.)

2

Water Column (ft.)

10.71

Purge Method

Low-Flow

Well Material

PVC

Gallons in Well

1.74

Sample Method

Low-Flow

Sample Time:

14:54

Label

14:16

Purge Start

14:50

Purge End

Screen Setting (ft-bmp)

15.0-20.0

Total Depth (ft-bmp)

19.65

Pump Intake (ft-bmp)

17.50

Well Volumes Purged

0.72

Volume Purged

1.26 gallons

Replicate/Code No.

--

Sampled by

Xenia Chan

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:19	0	160	8.95	0.00	7.60	7.12	0.02	0.53	19.1	-55.0	Clear	None
14:24	5	160	8.94	0.21	7.42	7.16	0.02	0.32	19.0	-69.0	Clear	None
14:29	5	160	8.95	0.42	7.41	7.16	0.02	0.23	18.9	-70.5	Clear	None
14:34	5	160	8.95	0.63	7.40	7.20	0.02	0.19	18.8	-72.9	Clear	None
14:39	5	160	8.95	0.84	7.40	7.23	0.02	0.15	18.9	-75.1	Clear	None
14:44	5	160	8.95	1.05	7.39	7.27	0.02	0.15	18.9	-76.1	Clear	None
14:49	5	160	8.95	1.26	7.38	7.29	0.02	0.13	19.0	-76.9	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

12350 Belden Ct

Condition of Well:

Good

Well Completion:

Flush mount

Well Locked at Arrival:

no

Well Locked at Departure:

yes

Lock Functioning:

yes



Page 1 of 1

Ach

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Comments None

Well Information

Well Location:	12350 Belden Ct	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-73D

Date

9-24-19

Project Name/Location

Ford LTP

Weather

60.08 degrees F, Partly Cloudy

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

13.5-18.5

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

6.94

Total Depth (ft-bmp)

17.40

Water Column (ft.)

10.46

Gallons in Well

1.70

Pump Intake (ft-bmp)

16.00

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

1.41

Replicate/Code No.

--

Sampled by

Xenia Chan

Sample Time:

Label

11:49

Volume Purged

2.4 gallons

Purge Start

10:42

Purge End

11:45

Xenia Chan

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:45	0	150	6.94	0.00	7.31	3.34	11.60	0.44	19.3	-89.0	Clear	None
10:50	5	150	6.90	0.20	7.27	3.30	4.42	0.24	19.0	-95.4	Clear	None
10:55	5	150	6.89	0.40	7.25	3.40	0.02	0.22	19.0	-89.7	Clear	None
11:00	5	150	6.90	0.60	7.23	3.77	0.02	0.20	19.0	-88.0	Clear	None
11:05	5	150	6.90	0.80	7.22	4.05	0.02	0.17	18.8	-88.0	Clear	None
11:10	5	150	6.90	1.00	7.20	4.38	0.02	0.14	18.7	-86.9	Clear	None
11:15	5	150	6.90	1.20	7.19	4.60	0.02	0.14	18.7	-86.3	Clear	None
11:20	5	150	6.90	1.40	7.18	4.86	0.02	0.11	18.8	-84.9	Clear	None
11:25	5	150	6.90	1.60	7.17	4.98	0.02	0.10	18.7	-84.5	Clear	None
11:30	5	150	6.90	1.80	7.17	5.13	0.02	0.09	18.7	-84.5	Clear	None
11:35	5	150	6.90	2.00	7.16	5.26	0.02	0.10	18.7	-83.6	Clear	None
11:40	5	150	6.90	2.20	7.16	5.37	0.02	0.09	18.7	-83.5	Clear	None
11:45	5	150	6.90	2.40	7.16	5.44	0.02	0.07	18.7	-83.7	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments Well cover did not have any bolts. Could not unlock the lock to tighten the J plug. Might need new lock

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

12250 Belden

Well Locked at Arrival:

no

Condition of Well:

Good,Missing bolts

Well Locked at Departure:

no

Well Completion:

Flush mount

Lock Functioning:

no



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-73SR

Date

9-24-19

Project Name/Location

Ford LTP

Weather

60.08 degrees F, Partly Cloudy

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

2.5-12.5

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

6.79

Total Depth (ft-bmp)

12.40

Water Column (ft.)

5.61

Gallons in Well

0.91

Pump Intake (ft-bmp)

8.29

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

1.62

Replicate/Code No.

--

Sampled by

Xenia Chan

Sample Time:

Label

10:14

Volume Purged

1.47 gallons

Purge Start

9:32

Purge End

10:12

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:35	0	160	6.79	0.00	6.58	7.48	35.50	0.52	20.4	54.4	Clear	None
9:40	5	160	6.79	0.21	6.63	7.81	25.20	0.27	20.4	37.3	Clear	None
9:45	5	160	6.79	0.42	6.65	7.91	15.90	0.21	20.3	12.8	Clear	None
9:50	5	160	6.79	0.63	6.67	7.93	15.00	0.17	20.3	1.8	Clear	None
9:55	5	160	6.79	0.84	6.67	7.96	13.60	0.14	20.4	-7.2	Clear	None
10:00	5	160	6.79	1.05	6.67	7.98	12.30	0.13	20.4	-13.0	Clear	None
10:05	5	160	6.80	1.26	6.67	7.98	12.60	0.12	20.4	-16.1	Clear	None
10:10	5	160	6.80	1.47	6.67	7.96	13.20	0.11	20.4	-18.4	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

12250 Belden

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-74

Date

9-18-19

Project Name/Location

Ford LTP

Weather

69.08 degrees F, Mostly Clear

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

14.0-19.0

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

7.36

Total Depth (ft-bmp)

18.76

Water Column (ft.)

11.40

Gallons in Well

1.85

Pump Intake (ft-bmp)

16.50

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

0.58

Replicate/Code No.

--

Sampled by

Juli Ryan

Sample Time:

Label

14:02

Volume Purged

1.07 gallons

Purge Start

14:13

Purge End

15:04

Juli Ryan

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:15	0	100	7.40	0.00	7.14	5.50	9.70	0.73	19.8	-111.6	Clear	None
14:20	5	100	7.40	0.13	7.18	5.58	7.23	0.57	19.7	-119.3	Clear	None
14:25	5	100	7.40	0.26	7.18	6.07	6.79	0.48	19.6	-122.9	Clear	None
14:30	5	100	7.40	0.39	7.17	6.50	5.85	0.40	19.5	-123.6	Clear	None
14:35	5	100	7.40	0.52	7.17	6.81	3.87	0.32	19.5	-125.9	Clear	None
14:40	5	100	7.40	0.65	7.16	7.15	5.40	0.26	19.5	-127.7	Clear	None
14:45	5	100	7.40	0.78	7.16	7.32	3.60	0.22	19.4	-130.0	Clear	None
14:50	5	100	7.40	0.91	7.15	7.41	4.30	0.19	19.3	-133.1	Clear	None
14:56	6	100	7.40	1.07	7.15	7.52	3.83	0.17	19.3	-136.0	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

1,4-dioxane

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

Lock rusted and cannot use a key

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

12182 Belden st

Well Locked at Arrival:

yes

Condition of Well:

Broken thread tabs,Fair

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

no



Page 1 of 1

J. L. Hyman

* **Turbidity** < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Comments	All bolts rusted and snapped off

Well Information

Well Location:	12182 Belden ct	Well Locked at Arrival:	yes
Condition of Well:	Fair	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00002	Well ID	MW-75D	Date	9-18-19
Project Name/Location	Ford LTP	Weather	59.00 degrees F. Partly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12.0-17.0	Casing Diameter (in.)	2
Static Water Level (ft-bmp)	6.01	Total Depth (ft-bmp)	16.65	Water Column (ft.)	10.64
		Pump Intake (ft-bmp)	14.00	Purge Method	Low-Flow
		Well Volumes Purged	1.35		
Sample Time:	Label	11:44	Volume Purged	2.34 gallons	Replicate/Code No.
	Purge Start	10:08			--
	Purge End	11:49			
				Sampled by	Juli Ryan

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:10	0	100	6.10	0.00	7.61	6.41	255.00	0.31	18.9	-126.3	Cloudy	None
10:15	5	100	6.09	0.13	7.64	6.46	231.00	0.20	18.8	-154.8	Cloudy	None
10:20	5	100	6.08	0.26	7.64	6.51	189.00	0.18	18.7	-162.5	Cloudy	None
10:25	5	100	6.08	0.39	7.63	6.60	155.00	0.16	18.8	-166.7	Cloudy	None
10:30	5	100	6.06	0.52	7.62	6.58	137.00	0.16	19.1	-169.1	Cloudy	None
10:35	5	100	6.06	0.65	7.62	6.54	145.00	0.18	19.3	-171.3	Cloudy	None
10:40	5	100	6.06	0.78	7.63	6.53	139.00	0.19	19.2	-173.3	Cloudy	None
10:45	5	100	6.06	0.91	7.58	6.71	123.00	0.18	19.2	-170.0	Cloudy	None
10:50	5	100	6.06	1.04	7.57	6.75	103.00	0.17	19.3	-167.3	Cloudy	None
10:55	5	100	6.06	1.17	7.56	6.76	107.00	0.16	19.4	-166.2	Cloudy	None
11:00	5	100	6.06	1.30	7.56	6.75	83.00	0.16	19.3	-166.6	Cloudy	None
11:05	5	100	6.06	1.43	7.54	6.78	81.60	0.26	19.8	-158.4	Cloudy	None
11:10	5	100	6.06	1.56	7.55	6.72	81.40	0.16	19.4	-164.4	Cloudy	None
11:15	5	100	6.06	1.69	7.55	6.66	73.60	0.15	19.4	-168.0	Cloudy	None
11:20	5	100	6.06	1.82	7.55	6.66	81.40	0.15	19.6	-168.7	Cloudy	None
11:25	5	100	6.05	1.95	7.54	6.62	73.50	0.15	19.7	-164.1	Cloudy	None
11:30	5	100	6.05	2.08	7.50	6.68	61.40	0.17	20.7	-167.4	Cloudy	None
11:35	5	100	6.05	2.21	7.50	6.85	51.40	0.18	21.0	-166.2	Cloudy	None
11:40	5	100	6.05	2.34	7.53	6.53	53.50	0.15	19.5	-164.5	Cloudy	None
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments -- Lock was too rusted to fit the key in. Pulled on the cap to get in the well. Cap replaced. @11:20 tubing was moved up 6 inches to a depth of 14 ft.

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.05	2" = 0.16	3" = 0.37	4" = 0.65
6" = 1.47				

Well Information			
Well Location:	11771 Belden ct	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	no



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-75SR

Date

9-18-19

Project Name/Location

Ford LTP

Weather

64.94 degrees F, Mostly Clear

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

2.5-12.5

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

6.10

Total Depth (ft-bmp)

12.36

Water Column (ft.)

6.26

Gallons in Well

1.02

Pump Intake (ft-bmp)

7.50

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

1.48

Replicate/Code No.

--

Sampled by

Juli Ryan

Sample Time:

Label

13:23

Volume Purged

1.51 gallons

Purge Start

12:31

Purge End

13:28

Juli Ryan

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:34	0	120	6.11	0.00	7.19	1.32	1.48	0.35	21.5	-23.8	Clear	None
12:39	5	120	6.11	0.16	7.25	1.39	0.29	0.24	21.2	-38.7	Clear	None
12:45	6	120	6.11	0.35	7.33	1.47	0.02	0.19	21.1	-51.6	Clear	None
12:50	5	120	6.11	0.51	7.38	1.59	0.02	0.18	21.1	-64.6	Clear	None
12:55	5	120	6.11	0.67	7.40	1.70	0.02	0.18	21.1	-73.3	Clear	None
13:00	5	120	6.11	0.83	7.40	1.78	0.02	0.17	21.1	-78.6	Clear	None
13:05	5	120	6.11	0.99	7.40	1.89	0.02	0.19	21.0	-81.8	Clear	None
13:10	5	120	6.11	1.15	7.40	1.97	0.02	0.22	21.1	-85.9	Clear	None
13:15	5	120	6.11	1.31	7.40	2.03	0.02	0.17	21.1	-90.7	Clear	None
13:18	3	120	6.11	1.41	7.39	2.04	0.02	0.19	21.5	-89.4	Clear	None
13:21	3	120	6.11	1.51	7.39	2.09	0.02	0.20	21.0	-93.1	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

1,4-dioxane

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

Bolts rusted and unusable

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

11771 Belden ct

Well Locked at Arrival:

yes

Condition of Well:

Fair

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-76

Date

9-17-19

Project Name/Location

Ford LTP

Weather

64.04 degrees F, Fog/Mist

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

15.0-20.0

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

9.63

Total Depth (ft-bmp)

19.62

Water Column (ft.)

9.99

Gallons in Well

1.62

Pump Intake (ft-bmp)

17.50

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

0.65

Replicate/Code No.

--

Sampled by

Caitlin ONeill

Sample Time:

Label

10:10

Volume Purged

1.05 gallons

Purge Start

9:33

Purge End

10:10

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:35	0	115	9.63	0.00	6.02	14.65	8.16	0.04	18.4	-415.4	Clear	None
9:40	5	115	9.68	0.15	6.02	14.29	5.91	0.04	18.4	-402.6	Clear	None
9:45	5	115	9.66	0.30	5.97	13.08	1.52	0.04	18.2	-462.4	Clear	None
9:50	5	115	9.66	0.45	5.86	12.36	2.71	0.04	18.2	-412.4	Clear	None
9:55	5	115	9.66	0.60	5.81	11.67	0.02	0.04	18.2	-429.2	Clear	None
10:00	5	115	9.66	0.75	5.74	11.29	0.02	0.15	18.2	-415.8	Clear	None
10:05	5	115	9.66	0.90	5.78	11.10	0.02	0.04	18.2	-424.1	Clear	None
10:10	5	115	9.66	1.05	5.76	11.12	0.02	0.06	18.2	-417.2	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

1,4-dioxane

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

West of NovaStar sign, south of parking lot entrance

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00002	Well ID	MW-76S	Date	9-17-19
Project Name/Location	Ford LTP	Weather	68.00 degrees F, Haze		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-14.5	Casing Diameter (in.)	2
Static Water Level (ft-bmp)	9.53	Total Depth (ft-bmp)	14.15	Water Column (ft.)	4.62
		Pump Intake (ft-bmp)	11.00	Purge Method	Low-Flow
		Well Volumes Purged	2.37	MW-76S-MS_091719	
Sample Time:	Label	11:41	Volume Purged	1.78 gallons	Replicate/Code No.
	Purge Start	10:42			
	Purge End	11:55			
					Sampled by
					Caitlin O'Neill

Caitlin O'Neill

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C/°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:46	0	100	9.53	0.00	7.17	3.96	112.00	2.16	20.2	102.3	Cloudy, brownish tint	None
10:51	5	100	9.55	0.13	7.18	4.01	81.60	1.81	20.1	101.9	Clear with particulate matter	None
10:56	5	100	9.55	0.26	7.21	4.05	54.00	1.34	19.9	98.9	Clear with particulate matter	None
11:01	5	100	9.55	0.39	7.22	4.10	39.40	1.08	19.8	92.8	Clear with particulate matter	None
11:06	5	100	9.55	0.52	7.22	4.17	25.70	0.99	19.7	86.9	Clear with particulate matter	None
11:11	5	100	9.55	0.65	7.21	4.33	13.30	0.90	19.7	78.7	Clear	None
11:16	5	150	9.55	0.78	7.21	4.46	9.66	0.87	19.7	69.6	Clear	None
11:21	5	150	9.55	0.98	7.22	4.56	1.06	0.85	19.7	62.1	Clear	None
11:26	5	150	9.55	1.18	7.22	4.63	0.02	0.90	19.8	53.6	Clear	None
11:31	5	150	9.55	1.38	7.22	4.68	0.02	0.91	19.8	47.0	Clear	None
11:36	5	150	9.55	1.58	7.22	4.70	0.02	0.90	19.8	42.6	Clear	None
11:41	5	150	9.55	1.78	7.22	4.72	0.02	0.91	19.8	38.0	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL

Comments: _____

None

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information				
Well Location:	West of NovaStar sign, south of parking lot entrance	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Project Name/Location

Measuring Pt. Description

Static Water Level (ft-bmp)

Well ID

Ford LTP

Screen Setting (ft-bmp)

Total Depth (ft-bmp)

Pump Intake (ft-bmp)

Well Volumes Purged

Volume Purged

9.0-14.0

13.71

11.50

0.71

0.91 gallons

MW-77

Weather

Casing Diameter (in.)

Water Column (ft.)

Purge Method

Replicate/Code No.

69.08 degrees F, Haze

2

7.90

Low-Flow

MW-77-MS/MSD_091719

Date

9-17-19

Well Material

Gallons in Well

Sample Method

Sampled by

PVC

1.28

Low-Flow

Juli Ryan

Sample Time:

Label

14:15

Purge Start

13:38

Purge End

14:27



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:42	0	100	5.82	0.00	7.35	1.22	6.38	0.46	19.4	-31.7	Clear	None
13:47	5	200	5.81	0.13	7.38	1.10	5.94	0.56	19.6	-46.3	Clear	None
13:52	5	100	5.82	0.39	7.44	1.08	3.52	0.78	19.9	-59.7	Clear	None
13:57	5	100	5.81	0.52	7.46	1.06	2.71	0.82	19.9	-69.1	Clear	None
14:02	5	100	5.81	0.65	7.47	1.06	2.09	0.86	19.7	-75.8	Clear	None
14:07	5	100	5.81	0.78	7.47	1.06	2.22	0.85	19.9	-80.2	Clear	None
14:12	5	100	5.81	0.91	7.48	1.06	1.91	0.80	19.8	-83.0	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

1,4-dioxane

Container

40 mL Glass

40 mL Glass

Number

9

9

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

11710 Boston st

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-77S

Date

9-17-19

Project Name/Location

Ford LTP

Weather

71.06 degrees F, Haze

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

2.5-12.5

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

5.71

Total Depth (ft-bmp)

12.15

Water Column (ft.)

6.44

Gallons in Well

1.05

Pump Intake (ft-bmp)

7.00

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

1.68

Replicate/Code No.

--

Sampled by

Juli Ryan

Sample Time:

Label

15:50

Volume Purged

1.76 gallons

Purge Start

14:52

Purge End

15:52

Juli Ryan

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:54	0	200	5.72	0.00	7.46	0.52	55.60	1.02	20.5	22.0	Clear	None
14:59	5	120	5.73	0.26	7.40	0.53	35.10	0.92	20.4	15.2	Clear	None
15:04	5	120	5.72	0.42	7.41	0.54	14.70	0.82	20.3	3.2	Clear	None
15:10	6	120	5.73	0.61	7.43	0.55	2.93	0.80	20.2	-5.3	Clear	None
15:15	5	120	5.73	0.77	7.44	0.57	3.23	0.74	20.1	-11.7	Clear	None
15:20	5	120	5.73	0.93	7.44	0.58	2.23	0.74	20.1	-16.8	Clear	None
15:25	5	120	5.73	1.09	7.43	0.60	1.63	0.71	20.2	-20.5	Clear	None
15:30	5	120	5.73	1.25	7.44	0.63	0.55	0.72	20.1	-24.2	Clear	None
15:35	5	120	5.73	1.41	7.44	0.65	1.87	0.72	20.1	-28.8	Clear	None
15:40	5	120	5.73	1.57	7.44	0.65	0.92	0.68	20.2	-31.9	Clear	None
15:46	6	120	5.73	1.76	7.45	0.66	0.67	0.69	20.1	-37.2	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

1,4-dioxane

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

11710 Boston st

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Project Name/Location

Measuring Pt. Description

Static Water Level (ft-bmp)

Well ID

Ford LTP

Top of Casing

3.55

Screen Setting (ft-bmp)

Total Depth (ft-bmp)

Pump Intake (ft-bmp)

Well Volumes Purged

Volume Purged

7.0-12.0

11.77

9.50

1.03

1.38 gallons

MW-78

Weather

Casing Diameter (in.)

Water Column (ft.)

Purge Method

69.08 degrees F, Mostly Cloudy

2

8.22

Low-Flow

--

Date

9-19-19

Well Material

Gallons in Well

Sample Method

PVC

1.34

Low-Flow

Replicate/Code No.

Sampled by

--

Julia McClafferty

Sample Time:

Label

14:38

Purge Start

14:01

Purge End

14:38



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:05	0	175	3.57	0.00	7.91	4.03	21.60	0.22	17.6	-108.2	Clear	None
14:10	5	175	3.57	0.23	7.57	3.00	10.10	0.19	17.7	106.8	Clear	None
14:15	5	175	3.57	0.46	7.54	2.81	2.60	0.21	17.7	-103.7	Clear	None
14:20	5	175	3.57	0.69	7.49	2.73	2.64	0.19	17.6	-100.3	Clear	None
14:25	5	175	3.57	0.92	7.48	2.71	1.66	0.20	17.6	-99.1	Clear	None
14:30	5	175	3.57	1.15	7.48	2.77	0.45	0.21	17.7	-97.6	Clear	None
14:35	5	175	3.58	1.38	7.48	2.75	0.02	0.21	17.7	-97.4	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

34591 Beacon

Well Locked at Arrival:

no

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-78S

Date

9-19-19

Project Name/Location

Ford LTP

Weather

69.08 degrees F, Mostly Cloudy

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

2.5-12.5

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

3.90

Total Depth (ft-bmp)

12.40

Water Column (ft.)

8.50

Gallons in Well

1.38

Pump Intake (ft-bmp)

5.40

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

1.33

Replicate/Code No.

--

Sampled by

Julia McClafferty

Sample Time:

Label

13:28

Volume Purged

1.84 gallons

Purge Start

12:42

Purge End

13:28



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:44	0	175	3.89	0.00	7.37	1.04	0.02	0.26	18.4	-34.7	Clear	None
12:49	5	175	3.88	0.23	7.29	1.19	0.02	0.24	18.2	-44.3	Clear	None
12:54	5	175	3.89	0.46	7.31	1.45	0.02	0.19	18.1	-43.6	Clear	None
12:59	5	175	3.89	0.69	7.33	1.64	0.02	0.18	18.1	-45.7	Clear	None
13:04	5	175	3.88	0.92	7.34	1.84	0.02	0.16	18.1	-49.5	Clear	None
13:09	5	175	3.88	1.15	7.36	1.98	0.02	0.15	18.1	-53.4	Clear	None
13:14	5	175	3.88	1.38	7.36	2.02	0.02	0.16	18.1	-57.3	Clear	None
13:19	5	175	3.88	1.61	7.37	2.05	0.02	0.15	18.0	-60.8	Clear	None
13:24	5	175	3.91	1.84	7.38	2.08	0.02	0.17	18.0	-62.8	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

Unable to put padlock on J-plug because PVC piping is too high

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

34591 Beacon

Well Locked at Arrival:

no

Condition of Well:

Good

Well Locked at Departure:

no

Well Completion:

Flush mount

Lock Functioning:

no



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-79D

Date

9-19-19

Project Name/Location

Ford LTP

Weather

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

10.0-15.0

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

6.55

Total Depth (ft-bmp)

14.64

Water Column (ft.)

8.09

Gallons in Well

1.31

Pump Intake (ft-bmp)

12.50

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

0.92

Replicate/Code No.

DUP-02

Sampled by

Julia McClafferty

Sample Time:

Label

11:07

Volume Purged

1.2 gallons

Purge Start

10:29

Purge End

11:07

Julia McClafferty

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:31	0	150	6.58	0.00	7.29	3.03	0.02	0.46	16.9	18.3	Clear	None
10:36	5	150	6.55	0.20	7.14	2.86	6.15	0.21	16.8	-17.5	Clear	None
10:41	5	150	6.55	0.40	7.12	2.65	0.86	0.16	16.7	-24.4	Clear	None
10:46	5	150	6.57	0.60	7.10	2.49	0.02	0.28	16.7	-28.8	Clear	None
10:51	5	150	6.57	0.80	7.11	2.44	0.02	0.18	16.7	-32.7	Clear	None
10:56	5	150	6.58	1.00	7.11	2.43	0.02	0.13	16.7	-37.0	Clear	None
11:01	5	150	6.56	1.20	7.11	2.41	0.02	0.12	16.7	-40.2	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

J-plug would not tighten, needs replacement Brandon from EGLE arrived at 11:00 to split samples

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

12100 Boston

Well Locked at Arrival:

no

Condition of Well:

Good

Well Locked at Departure:

no

Well Completion:

Flush mount

Lock Functioning:

no



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-79SR

Date

9-18-19

Project Name/Location

Ford LTP

Weather

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

2.5-12.5

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

6.39

Total Depth (ft-bmp)

12.27

Water Column (ft.)

5.88

Gallons in Well

0.96

Pump Intake (ft-bmp)

7.89

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

1.68

Replicate/Code No.

--

Sampled by

Julia McClafferty

Sample Time:

Label

16:00

Volume Purged

1.61 gallons

Purge Start

15:20

Purge End

16:00

Julia McClafferty

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
15:21	0	175	6.39	0.00	7.06	1.44	0.02	0.22	18.2	232.2	Clear	None
15:26	5	175	6.41	0.23	7.06	1.62	0.02	0.21	18.2	212.1	Clear	None
15:31	5	175	6.44	0.46	7.06	1.70	0.02	0.20	18.1	202.8	Clear	None
15:36	5	175	6.41	0.69	7.10	1.77	0.02	0.21	18.1	193.5	Clear	None
15:41	5	175	6.44	0.92	7.11	1.84	0.02	0.20	17.9	164.6	Clear	None
15:46	5	175	6.45	1.15	7.12	1.88	0.02	0.21	18.0	157.1	Clear	None
15:51	5	175	6.45	1.38	7.14	1.90	0.02	0.18	18.0	155.5	Clear	None
15:56	5	175	4.30	1.61	7.14	1.92	0.02	0.20	17.9	157.4	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

12100 Boston

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-80SR

Date9-23-19

Project Name/Location

Ford LTP

Weather75.02 degrees F, Partly Cloudy

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

2.5-12.5

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

4.30

Total Depth (ft-bmp)

12.25

Water Column (ft.)

7.95

Gallons in Well

1.29

Pump Intake (ft-bmp)

5.80

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

1.11

Replicate/Code No.

DUP-04

Sampled by

Julia McClafferty

Sample Time:

Label

13:50

Volume Purged

1.43 gallons

Purge Start

13:10

Purge End

13:50

Julia McClafferty

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:14	0	155	4.31	0.00	6.80	2.34	13.40	0.56	20.9	-23.3	Clear	None
13:19	5	190	4.36	0.20	6.85	2.36	4.52	0.30	20.5	-37.9	Clear	None
13:24	5	180	4.35	0.45	6.85	2.36	1.45	0.33	20.5	-41.8	Clear	None
13:29	5	180	4.36	0.69	6.85	2.34	0.95	0.40	20.4	-45.1	Clear	None
13:34	5	180	4.37	0.93	6.86	2.36	0.02	0.33	20.5	-48.1	Clear	None
13:39	5	200	4.38	1.17	6.87	2.36	0.02	0.36	20.4	-50.9	Clear	None
13:44	5	180	4.37	1.43	6.88	2.38	0.02	0.36	20.4	-53.8	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:12088 Brewster, to the right of the driveway

Condition of Well:Good

Well Completion:Flush mount

Well Locked at Arrival:yes

Well Locked at Departure:yes

Lock Functioning:yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-81

Date

9-19-19

Project Name/Location

Ford LTP

Weather

69.08 degrees F, Mostly Cloudy

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

8.0-13.0

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

7.42

Total Depth (ft-bmp)

12.69

Water Column (ft.)

5.27

Gallons in Well

0.86

Pump Intake (ft-bmp)

10.50

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

1.62

Replicate/Code No.

--

Sampled by

Xenia Chan

Sample Time:

Label

15:17

Volume Purged

1.39 gallons

Purge Start

14:43

Purge End

15:15

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:45	0	160	7.70	0.00	7.06	1.89	0.02	0.59	19.7	24.6	Clear	None
14:50	5	160	7.81	0.21	7.00	1.82	0.02	0.31	19.1	25.7	Clear	None
14:55	5	260	7.99	0.42	6.96	1.81	0.02	0.25	19.0	25.1	Clear	None
15:00	5	160	8.11	0.76	6.96	1.76	0.02	0.28	18.9	22.8	Clear	None
15:05	5	160	8.19	0.97	6.97	1.75	0.02	0.34	18.8	23.1	Clear	None
15:10	5	160	8.26	1.18	6.97	1.75	0.02	0.32	18.7	24.2	Clear	None
15:15	5	160	8.32	1.39	6.98	1.75	0.02	0.29	18.7	24.1	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

12032 Stark

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-81S

Date

9-19-19

Project Name/Location

Ford LTP

Weather

69.08 degrees F, Mostly Cloudy

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

2.5-12.5

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

8.45

Total Depth (ft-bmp)

12.52

Water Column (ft.)

4.07

Gallons in Well

0.66

Pump Intake (ft-bmp)

9.95

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

2.55

Replicate/Code No.

--

Sampled by

Xenia Chan

Sample Time:

Label

14:07

Volume Purged

1.68 gallons

Purge Start

13:22

Purge End

14:05

Xenia Chan

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:24	0	160	8.50	0.00	7.13	1.82	10.30	0.68	19.8	23.1	Clear	None
13:29	5	160	8.45	0.21	7.01	1.80	15.70	0.44	19.4	24.0	Clear	None
13:34	5	160	8.78	0.42	6.99	1.79	13.80	0.51	19.0	21.0	Clear	None
13:39	5	160	8.90	0.63	7.00	1.79	10.50	0.72	18.9	15.1	Clear	None
13:44	5	160	8.95	0.84	7.00	1.80	11.00	0.36	18.8	6.2	Clear	None
13:49	5	160	8.98	1.05	7.02	1.80	8.11	0.35	18.8	5.5	Clear	None
13:54	5	160	8.98	1.26	7.04	1.80	0.02	0.37	18.9	5.3	Clear	None
13:59	5	160	9.04	1.47	7.05	1.78	0.02	0.36	18.9	5.0	Clear	None
14:04	5	160	9.05	1.68	7.06	1.79	0.02	0.39	19.0	4.6	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

12032 Stark

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-82D

Date

9-23-19

Project Name/Location

Ford LTP

Weather

69.08 degrees F, Mostly Cloudy

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

18.0-23.0

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

8.61

Total Depth (ft-bmp)

22.77

Water Column (ft.)

14.16

Gallons in Well

2.30

Pump Intake (ft-bmp)

20.50

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

0.64

Replicate/Code No.

MW-82D-MS/MSD_092319

Sampled by

Xenia Chan

Sample Time:

Label

10:21

Volume Purged

1.47 gallons

Purge Start

9:39

Purge End

10:19

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:43	0	160	8.64	0.00	7.10	1.13	1.52	0.77	18.7	18.4	Clear	None
9:48	5	160	8.64	0.21	6.94	1.13	0.02	0.52	18.4	0.5	Clear	None
9:53	5	160	8.64	0.42	7.02	1.14	0.02	0.28	18.4	-19.0	Clear	None
9:58	5	160	8.64	0.63	7.08	1.14	0.02	0.23	18.4	-30.5	Clear	None
10:03	5	160	8.64	0.84	7.09	1.14	0.02	0.20	18.3	-37.5	Clear	None
10:08	5	160	8.64	1.05	7.11	1.14	0.02	0.17	18.3	-44.3	Clear	None
10:13	5	160	8.64	1.26	7.13	1.14	0.02	0.17	18.3	-48.3	Clear	None
10:18	5	160	8.64	1.47	7.13	1.14	0.02	0.14	18.2	-51.9	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

9

9

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

12086 Stark

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-82SR

Date

9-23-19

Project Name/Location

Ford LTP

Weather

69.08 degrees F, Mostly Cloudy

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

5.0-15.0

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

8.60

Total Depth (ft-bmp)

16.15

Water Column (ft.)

7.55

Gallons in Well

1.23

Pump Intake (ft-bmp)

10.10

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

0.98

Replicate/Code No.

--

Sampled by

Xenia Chan

Sample Time:

Label

11:42

Volume Purged

1.2 gallons

Purge Start

11:07

Purge End

11:40

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:09	0	150	8.90	0.00	7.00	1.12	0.02	0.62	19.5	-28.7	Clear	None
11:14	5	150	9.30	0.20	6.95	0.98	0.02	0.31	19.3	-22.9	Clear	None
11:19	5	150	9.40	0.40	6.94	0.98	0.02	0.24	19.1	-19.7	Clear	None
11:24	5	150	9.45	0.60	6.94	0.98	0.02	0.22	19.1	-17.7	Clear	None
11:29	5	150	9.50	0.80	6.94	0.98	0.02	0.20	19.0	-16.3	Clear	None
11:34	5	150	9.50	1.00	6.93	0.99	0.02	0.21	19.0	-15.7	Clear	None
11:39	5	150	9.50	1.20	6.93	0.99	0.02	0.21	19.1	-14.9	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

12086 Stark

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-83

Date

9-18-19

Project Name/Location

Ford LTP

Weather

69.08 degrees F, Mostly Clear

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

8.0-13.0

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

7.81

Total Depth (ft-bmp)

12.40

Water Column (ft.)

4.59

Gallons in Well

0.75

Pump Intake (ft-bmp)

10.50

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

3.12

Replicate/Code No.

--

Sampled by

Heather Woodrum

Sample Time:

Label

15:03

Volume Purged

2.34 gallons

Purge Start

14:15

Purge End

15:00



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:15	0	200	7.87	0.00	7.24	3.20	0.03	1.69	18.5	77.4	None	None
14:20	5	200	7.87	0.26	7.20	3.01	0.02	0.71	18.3	72.0	None	None
14:25	5	200	7.87	0.52	7.11	3.08	0.92	0.40	18.2	62.2	None	None
14:30	5	200	7.87	0.78	7.11	3.08	0.02	0.38	18.2	49.1	None	None
14:35	5	200	7.87	1.04	7.11	3.09	0.02	0.38	18.2	34.8	None	None
14:40	5	200	7.87	1.30	7.12	3.07	0.02	0.35	18.2	27.2	None	None
14:45	5	200	7.87	1.56	7.13	3.07	0.02	0.37	18.1	18.3	None	None
14:50	5	200	7.87	1.82	7.12	3.06	0.02	0.42	18.2	13.3	None	None
14:55	5	200	7.87	2.08	7.13	3.05	0.02	0.38	18.1	7.2	None	None
15:00	5	200	7.87	2.34	7.13	3.05	0.02	0.38	18.2	3.7	None	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

ROW on Stark 12146

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-83S

Date

9-18-19

Project Name/Location

Ford LTP

Weather

69.08 degrees F, Mostly Clear

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

3.0-13.0

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

7.98

Total Depth (ft-bmp)

12.72

Water Column (ft.)

4.74

Gallons in Well

0.77

Pump Intake (ft-bmp)

9.50

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

2.03

Replicate/Code No.

--

Sampled by

Heather Woodrum

Sample Time:

Label

16:03

Volume Purged

1.56 gallons

Purge Start

15:30

Purge End

16:00

Heather Woodrum

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
15:30	0	200	8.01	0.00	7.15	1.82	0.02	7.46	18.9	38.0	None	None
15:35	5	200	8.01	0.26	7.00	2.33	0.02	5.15	18.5	51.7	None	None
15:40	5	200	8.01	0.52	7.03	2.56	0.02	4.80	18.4	53.2	None	None
15:45	5	200	8.01	0.78	7.06	2.71	0.02	4.24	18.3	51.0	None	None
15:50	5	200	8.01	1.04	7.07	2.76	0.02	4.04	18.3	49.3	None	None
15:55	5	200	8.01	1.30	7.07	2.81	0.02	4.00	18.3	45.8	None	None
16:00	5	200	8.01	1.56	7.08	2.83	0.02	3.81	18.3	41.9	None	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

RoW on Stark 12146

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Project Name/Location

Measuring Pt. Description

Static Water Level (ft-bmp)

Well ID

Ford LTP

Screen Setting (ft-bmp)

Total Depth (ft-bmp)

Pump Intake (ft-bmp)

Well Volumes Purged

Volume Purged

MW-84

Weather

Casing Diameter (in.)

Water Column (ft.)

Purge Method

Replicate/Code No.

Date

73.04 degrees F, Mostly Clear

Well Material

Gallons in Well

Sample Method

Sampled by

9-24-19

PVC

1.18

Low-Flow

Juli Ryan

Label

14:19

Purge Start

13:13

Purge End

14:24

Juli Ryan

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:15	0	150	5.35	0.00	7.02	2.02	36.30	0.38	19.1	-22.7	Clear	None
13:20	5	100	5.35	0.20	7.03	2.67	32.90	0.42	18.6	-34.6	Clear	None
13:25	5	100	5.35	0.33	7.06	2.84	23.20	0.58	18.8	-40.7	Clear	None
13:30	5	100	5.35	0.46	7.08	2.96	19.70	0.69	18.7	-46.6	Clear	None
13:35	5	100	5.35	0.59	7.10	3.01	17.50	0.66	18.8	-51.0	Clear	None
13:40	5	100	5.35	0.72	7.10	3.06	17.80	0.62	18.7	-54.7	Clear	None
13:45	5	100	5.35	0.85	7.11	3.09	12.70	0.58	18.6	-57.3	Clear	None
13:51	6	100	5.35	1.01	7.11	3.14	11.20	0.55	18.6	-58.5	Clear	None
13:54	3	100	5.35	1.09	7.12	3.14	9.90	0.54	18.5	-60.5	Clear	None
13:57	3	100	5.35	1.17	7.12	3.14	8.65	0.53	18.5	-62.4	Clear	None
14:00	3	100	5.35	1.25	7.12	3.14	8.80	0.54	18.6	-63.7	Clear	None
14:03	3	100	5.35	1.33	7.12	3.14	11.00	0.52	18.5	-65.2	Clear	None
14:06	3	100	5.35	1.41	7.12	3.13	11.20	0.51	18.5	-66.5	Clear	None
14:09	3	100	5.35	1.49	7.13	3.13	15.70	0.50	18.4	-66.9	Clear	None
14:12	3	100	5.35	1.57	7.13	3.12	11.00	0.49	18.5	-68.2	Clear	None
14:15	3	100	5.35	1.65	7.12	3.16	12.80	0.47	18.5	-69.3	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

1,4-dioxane

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

34851 beacon st

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-84S

Date

9-24-19

Project Name/Location

Ford LTP

Weather

75.92 degrees F, Mostly Cloudy

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

2.5-12.5

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

5.50

Total Depth (ft-bmp)

12.70

Water Column (ft.)

7.20

Gallons in Well

1.17

Pump Intake (ft-bmp)

7.00

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

1.91

Replicate/Code No.

--

Sampled by

Juli Ryan

Sample Time:

Label

15:45

Volume Purged

2.24 gallons

Purge Start

14:38

Purge End

15:48

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:40	0	150	5.50	0.00	7.49	0.46	4.09	1.25	20.0	-45.4	Clear	None
14:45	5	150	5.51	0.20	7.30	0.48	4.98	0.74	19.8	-45.5	Clear	None
14:50	5	100	5.51	0.40	7.17	0.55	7.34	0.39	19.8	-51.8	Clear	None
14:56	6	150	5.51	0.56	7.11	0.60	7.20	0.54	20.3	-61.3	Clear	None
15:01	5	150	5.51	0.76	7.10	0.73	9.76	0.29	19.8	-64.3	Clear	None
15:06	5	150	5.51	0.96	7.10	0.80	7.77	0.29	19.7	-65.8	Clear	None
15:11	5	150	5.51	1.16	7.10	0.91	5.42	0.29	19.5	-68.8	Clear	None
15:16	5	150	5.51	1.36	7.09	0.98	5.41	0.28	19.6	-72.2	Clear	None
15:33	17	100	5.51	2.03	7.12	1.12	3.88	0.26	19.9	-82.9	Clear	None
15:38	5	100	5.51	2.16	7.12	1.11	5.96	0.28	19.9	-83.0	Clear	None
15:41	3	100	5.51	2.24	7.13	1.12	4.17	0.27	19.9	-82.6	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
1,4-dioxane

Container

40 mL Glass
40 mL Glass

Number

3
3

Preservative

HCL
HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

34851 beacon st

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-85

Date

9-17-19

Project Name/Location

Ford LTP

Weather

68.00 degrees F, Haze

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

8.0-13.0

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

6.18

Total Depth (ft-bmp)

12.70

Water Column (ft.)

6.52

Gallons in Well

1.06

Pump Intake (ft-bmp)

10.50

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

0.89

Replicate/Code No.

Dup-09

Sampled by

Juli Ryan

Sample Time:

Label

12:05

Volume Purged

0.94 gallons

Purge Start

11:20

Purge End

12:14

Juli Ryan

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:23	0	100	6.19	0.00	7.04	3.82	2.92	0.48	19.8	-42.2	Clear	None
11:28	5	100	6.20	0.13	7.06	3.81	6.42	0.31	19.9	-60.0	Clear	None
11:33	5	100	6.21	0.26	7.08	3.72	5.62	0.38	20.0	-65.8	Clear	None
11:38	5	100	6.20	0.39	7.10	3.52	2.70	0.62	20.1	-65.9	Clear	None
11:43	5	100	6.20	0.52	7.11	3.40	1.90	0.62	19.9	-66.2	Clear	None
11:48	5	100	6.20	0.65	7.11	3.32	1.67	0.56	19.9	-66.9	Clear	None
11:53	5	100	6.20	0.78	7.11	3.27	2.37	0.54	20.1	-68.2	Clear	None
11:59	6	100	6.20	0.94	7.11	3.24	1.53	0.53	20.0	-69.2	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

1,4-dioxane

Container

40 mL Glass

40 mL Glass

Number

6

6

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

Rosati

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Project Name/Location

Measuring Pt. Description

Static Water Level (ft-bmp)

Well ID

Ford LTP

Top of Casing

6.30

Screen Setting (ft-bmp)

Total Depth (ft-bmp)

Pump Intake (ft-bmp)

Well Volumes Purged

Volume Purged

4.5-9.5

8.45

7.00

3.06

1.07 gallons

MW-85SR

Weather

Casing Diameter (in.)

Water Column (ft.)

Purge Method

64.04 degrees F, Fog/Mist

2

2.15

Low-Flow

--

Date

9-17-19

Well Material

Gallons in Well

Sample Method

PVC

0.35

Low-Flow

Sampled by

Juli Ryan

Sample Time:

Label

10:43

Purge Start

9:55

Purge End

10:50

Replicate/Code No.

--

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:58	0	100	6.31	0.00	6.92	1.96	49.50	1.81	20.6	100.3	Clear	None
10:03	5	100	6.32	0.13	6.95	1.87	25.10	1.70	20.6	97.7	Clear	None
10:08	5	100	6.33	0.26	6.96	1.85	10.60	1.53	20.6	95.8	Clear	None
10:13	5	100	6.33	0.39	6.95	1.83	20.30	1.48	20.7	94.0	Clear	None
10:18	5	100	6.33	0.52	6.90	1.86	13.00	1.49	20.7	92.7	Clear	None
10:23	5	100	6.32	0.65	6.96	1.85	8.83	1.42	20.7	91.4	Clear	None
10:28	5	100	6.33	0.78	6.97	1.85	4.69	1.34	20.7	89.8	Clear	None
10:34	6	100	6.33	0.94	6.97	1.84	3.17	1.36	20.7	87.0	Clear	None
10:39	5	100	6.33	1.07	6.97	1.84	2.36	1.32	20.7	85.6	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

1,4-dioxane

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

Rosati

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-86

Date

9-19-19

Project Name/Location

Ford LTP

Weather

60.08 degrees F, Mostly Clear

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

12.0-17.0

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

8.50

Total Depth (ft-bmp)

16.61

Water Column (ft.)

8.11

Gallons in Well

1.32

Pump Intake (ft-bmp)

14.50

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

1.19

Replicate/Code No.

--

Sampled by

Juli Ryan

Sample Time:

Label

11:30

Volume Purged

1.57 gallons

Purge Start

10:35

Purge End

11:35

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:37	0	200	8.06	0.00	7.06	0.97	29.90	0.49	17.0	29.7	Clear	None
10:42	5	120	8.05	0.26	6.97	0.96	18.90	0.60	17.0	6.8	Clear	None
10:47	5	120	8.05	0.42	7.08	0.96	13.20	0.66	17.1	-22.7	Clear	None
10:52	5	120	8.05	0.58	7.17	0.96	7.50	0.72	18.8	-32.7	Clear	None
10:58	6	120	8.05	0.77	7.24	1.03	4.64	0.78	17.8	-46.0	Clear	None
11:03	5	120	5.05	0.93	7.24	1.06	4.54	0.52	17.4	-53.3	Clear	None
11:08	5	120	8.05	1.09	7.23	1.08	4.71	0.55	17.3	-57.1	Clear	None
11:13	5	120	8.05	1.25	7.23	1.10	4.53	0.48	17.3	-59.9	Clear	None
11:18	5	120	8.05	1.41	7.24	1.11	3.21	0.43	17.2	-64.4	Clear	None
11:23	5	120	8.05	1.57	7.24	1.13	2.93	0.41	17.2	-67.8	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

1,4-dioxane

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

Dug out dirt around top of casing. Key barely fit into the lock and would not turn

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

34891 wadsworth st

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

no



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Project Name/Location

Measuring Pt. Description

Static Water Level (ft-bmp)

Well ID

Ford LTP

Screen Setting (ft-bmp)

Total Depth (ft-bmp)

Pump Intake (ft-bmp)

Well Volumes Purged

Volume Purged

MW-86S

Weather

Casing Diameter (in.)

Water Column (ft.)

Purge Method

Replicate/Code No.

Date

64.94 degrees F, Partly Cloudy

Well Material

Gallons in Well

Sample Method

Sampled by

9-19-19

PVC

0.67

Low-Flow

Juli Ryan

Sample Time:

Label

13:55

Purge Start

12:43

Purge End

13:59



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:45	0	100	8.25	0.00	7.20	0.41	202.00	1.76	19.1	8.5	Yellow and cloudy	None
12:50	5	100	8.25	0.13	7.12	0.40	115.00	1.74	18.8	-4.0	Yellow and cloudy	None
12:55	5	100	8.25	0.26	7.26	0.40	71.60	1.73	18.6	-25.5	Yellow and cloudy	None
13:00	5	100	8.25	0.39	7.33	0.41	48.10	1.75	18.5	-35.7	Yellow and cloudy	None
13:05	5	100	8.25	0.52	7.38	0.41	41.70	1.73	18.5	-41.1	Yellow and cloudy	None
13:10	5	100	8.25	0.65	7.40	0.41	38.60	1.75	18.2	-46.3	Yellow and cloudy	None
13:16	6	100	8.25	0.81	7.39	0.41	38.10	1.60	18.0	-49.5	Yellow and cloudy	None
13:22	6	100	8.25	0.97	7.30	0.42	31.90	1.70	17.8	-49.3	Yellow and cloudy	None
13:27	5	100	8.25	1.10	7.38	0.43	28.90	1.63	17.7	-48.3	Yellow	None
13:32	5	100	8.25	1.23	7.39	0.45	16.30	1.50	17.8	-49.3	Yellow tinted	None
13:37	5	100	8.25	1.36	7.39	0.47	10.20	1.42	17.8	-50.5	Yellow tinted	None
13:42	5	100	8.25	1.49	7.39	0.49	7.54	1.30	17.8	-51.5	Yellow tinted	None
13:47	5	100	8.25	1.62	7.39	0.51	5.61	1.20	17.9	-52.0	Yellow tinted	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

1,4-dioxane

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

34891 wadsworth st

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-87

Date

9-20-19

Project Name/Location

Ford LTP

Weather

64.94 degrees F, Haze

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

14.0-19.0

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

10.39

Total Depth (ft-bmp)

18.81

Water Column (ft.)

8.42

Gallons in Well

1.37

Pump Intake (ft-bmp)

16.50

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

0.88

Replicate/Code No.

--

Sampled by

Juli Ryan

Sample Time:

Label

11:40

Volume Purged

1.2 gallons

Purge Start

10:50

Purge End

11:46

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:52	0	100	10.39	0.00	7.58	0.24	33.40	8.20	19.1	145.6	Clear	None
10:57	5	100	10.39	0.13	7.49	0.24	18.40	6.37	19.0	145.8	Clear	None
11:02	5	100	10.39	0.26	7.55	0.24	6.07	5.50	19.1	134.6	Clear	None
11:07	5	100	10.39	0.39	7.73	0.24	2.42	5.04	19.4	120.9	Clear	None
11:12	5	100	10.39	0.52	7.81	0.25	6.00	4.90	19.3	109.9	Clear	None
11:17	5	100	10.39	0.65	7.89	0.25	2.23	5.38	19.0	100.3	Clear	None
11:23	6	100	10.39	0.81	7.93	0.25	1.68	5.15	19.2	94.0	Clear	None
11:28	5	100	10.39	0.94	7.96	0.25	1.51	5.38	19.1	89.0	Clear	None
11:33	5	100	10.39	1.07	7.98	0.25	0.94	5.18	19.0	83.9	Clear	None
11:38	5	100	10.39	1.20	8.00	0.25	0.45	4.96	19.2	80.4	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

1,4-dioxane

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

34901 standish

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-87S

Date

9-20-19

Project Name/Location

Ford LTP

Weather

66.92 degrees F, Mostly Cloudy

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

4.5-14.5

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

10.21

Total Depth (ft-bmp)

14.10

Water Column (ft.)

3.89

Gallons in Well

0.63

Pump Intake (ft-bmp)

11.70

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

1.29

Replicate/Code No.

--

Sampled by

Juli Ryan

Sample Time:

Label

12:40

Volume Purged

0.81 gallons

Purge Start

12:04

Purge End

12:45

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:07	0	100	10.22	0.00	7.68	0.25	1.18	6.25	19.9	72.4	Clear	None
12:13	6	100	10.22	0.16	7.63	0.25	0.62	5.98	20.0	72.2	Clear	None
12:18	5	100	10.22	0.29	7.62	0.25	0.89	6.49	20.0	71.1	Clear	None
12:23	5	100	10.22	0.42	7.62	0.25	0.02	6.20	20.0	70.1	Clear	None
12:28	5	100	10.22	0.55	7.62	0.25	0.02	6.29	20.0	69.0	Clear	None
12:33	5	100	10.22	0.68	7.61	0.25	0.02	6.26	20.0	68.4	Clear	None
12:38	5	100	10.22	0.81	7.62	0.25	0.02	6.36	20.1	66.1	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

1,4-dioxane

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

Dug out dirt around top of casing

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

34901 Standish st

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-96S

Date

9-20-19

Project Name/Location

Ford LTP

Weather

73.04 degrees F, Mostly Clear

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

2.5-12.5

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

6.70

Total Depth (ft-bmp)

12.10

Water Column (ft.)

5.40

Gallons in Well

0.88

Pump Intake (ft-bmp)

8.00

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

1.35

Replicate/Code No.

--

Sampled by

Juli Ryan

Sample Time:

Label

14:39

Volume Purged

1.19 gallons

Purge Start

14:00

Purge End

14:44

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:01	0	120	6.71	0.00	7.14	0.48	5.32	0.37	18.0	63.9	Clear	None
14:06	5	200	6.71	0.16	6.98	0.48	7.32	0.32	17.8	67.4	Clear	None
14:11	5	100	6.71	0.42	7.06	0.49	2.95	0.29	17.7	56.4	Clear	None
14:16	5	120	10.71	0.55	7.13	0.49	2.95	0.30	17.9	48.8	Clear	None
14:21	5	120	10.71	0.71	7.17	0.50	5.30	0.30	18.0	41.6	Clear	None
14:26	5	120	10.71	0.87	7.21	0.50	0.74	0.29	17.9	36.3	Clear	None
14:31	5	120	10.71	1.03	7.22	0.50	1.60	0.29	17.9	31.9	Clear	None
14:36	5	120	10.71	1.19	7.23	0.50	0.65	0.26	17.9	28.2	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

1,4-dioxane

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

Key could not entirely fit in the lock

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

11850 Boston Post

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

no



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Project Name/Location

Measuring Pt. Description

Static Water Level (ft-bmp)

Well ID

Ford LTP

Screen Setting (ft-bmp)

Total Depth (ft-bmp)

Pump Intake (ft-bmp)

Well Volumes Purged

Volume Purged

MW-97S

Weather

Casing Diameter (in.)

Water Column (ft.)

Purge Method

Replicate/Code No.

Date

69.08 degrees F, Mostly Cloudy

Well Material

Gallons in Well

Sample Method

Sampled by

9-19-19

PVC

1.04

Low-Flow

Juli Ryan

Sample Time:

Label

15:54

Purge Start

14:56

Purge End

15:57

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:59	0	100	5.61	0.00	7.18	0.48	19.70	0.40	20.9	-3.2	Clear	None
15:04	5	100	5.62	0.13	7.15	0.50	14.20	0.33	20.6	-14.8	Clear	None
15:09	5	100	5.62	0.26	7.24	0.52	9.51	0.28	20.6	-26.7	Clear	None
15:14	5	100	5.62	0.39	7.26	0.56	5.86	0.29	20.5	-34.0	Clear	None
15:19	5	100	5.62	0.52	7.26	0.62	4.13	0.31	20.4	-39.9	Clear	None
15:24	5	100	5.62	0.65	7.26	0.69	3.75	0.35	20.3	-42.7	Clear	None
15:29	5	100	5.62	0.78	7.27	0.73	3.25	0.35	20.3	-44.0	Clear	None
15:34	5	100	5.62	0.91	7.27	0.77	2.84	0.34	20.3	-47.0	Clear	None
15:39	5	100	5.62	1.04	7.27	0.80	2.73	0.31	20.3	-49.7	Clear	None
15:44	5	100	5.62	1.17	7.29	0.81	2.33	0.31	20.3	-50.7	Clear	None
15:47	3	100	5.62	1.25	7.29	0.83	2.55	0.33	20.3	-52.3	Clear	None
15:50	3	100	5.62	1.33	7.29	0.83	0.02	0.32	20.3	-53.1	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

1,4-dioxane

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

Removed dirt around top of casing

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

11680 Boston post

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-98S

Date

9-20-19

Project Name/Location

Ford LTP

Weather

66.02 degrees F, Mostly Cloudy

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

2.5-12.5

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

3.05

Total Depth (ft-bmp)

12.09

Water Column (ft.)

9.04

Gallons in Well

1.47

Pump Intake (ft-bmp)

4.55

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

1.71

Replicate/Code No.

--

Sampled by

Julia McClafferty

Sample Time:

Label

12:13

Volume Purged

2.52 gallons

Purge Start

11:06

Purge End

12:13



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:11	0	160	3.09	0.00	6.92	0.70	33.10	0.21	22.0	-40.2	Clear	None
11:16	5	160	3.10	0.21	6.91	0.70	21.80	0.15	21.8	-41.6	Clear	None
11:21	5	160	3.10	0.42	6.91	0.70	8.46	0.16	21.7	-39.3	Clear	None
11:26	5	160	3.10	0.63	6.90	0.71	3.92	0.13	21.7	-36.2	Clear	None
11:31	5	160	3.10	0.84	6.91	0.73	1.54	0.13	21.8	-34.0	Clear	None
11:36	5	160	3.10	1.05	6.90	0.81	0.02	0.18	21.8	-27.5	Clear	None
11:41	5	160	3.11	1.26	6.90	0.96	0.02	0.13	21.7	-22.5	Clear	None
11:46	5	160	3.11	1.47	6.90	1.11	0.02	0.11	21.7	-20.7	Clear	None
11:51	5	160	3.10	1.68	6.91	1.19	0.02	0.11	21.7	-21.6	Clear	None
11:56	5	160	3.11	1.89	6.92	1.27	0.02	0.12	21.8	-23.9	Clear	None
12:01	5	160	3.10	2.10	6.92	1.32	0.02	0.10	21.8	-26.3	Clear	None
12:06	5	160	3.11	2.31	6.92	1.38	0.02	0.10	21.8	-27.7	Clear	None
12:11	5	160	3.11	2.52	6.92	1.44	0.02	0.09	21.6	-30.4	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

12017 Brewster; across from 34550 Beacon

Well Locked at Arrival:

no

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00002	Well ID	MW-99S	Date	9-16-19
Project Name/Location	Ford LTP	Weather	73.94 degrees F, Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3.0-13.0	Casing Diameter (in.)	2
Static Water Level (ft-bmp)	6.72	Total Depth (ft-bmp)	12.83	Water Column (ft.)	6.11
		Pump Intake (ft-bmp)	8.25	Purge Method	Low-Flow
		Well Volumes Purged	1.05	MW-99S-MS_091619	
				and MW-99S-MSD_091619	
Sample Time:	Label	13:30	Volume Purged	1.04 gallons	Replicate/Code No.
	Purge Start	12:48			
	Purge End	13:30			
					Sampled by
					Caitlin O'Neill

Caitlin O'Neill

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C/°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:50	0	100	6.72	0.00	7.05	1.10	0.02	0.89	21.2	684.3	Clear	None
12:55	5	100	6.74	0.13	7.05	1.05	0.02	0.45	20.9	685.9	Clear	None
13:00	5	100	6.74	0.26	7.05	1.04	0.35	0.34	20.9	685.6	Clear	None
13:05	5	100	6.74	0.39	7.05	1.03	0.02	0.31	20.8	685.6	Clear	None
13:10	5	100	6.74	0.52	7.05	1.06	0.02	0.31	20.8	687.5	Clear	None
13:15	5	100	6.74	0.65	7.05	1.23	0.02	0.26	20.6	691.7	Clear	None
13:20	5	100	6.74	0.78	7.05	1.64	0.02	0.26	20.6	695.4	Clear	None
13:25	5	100	6.74	0.91	7.05	1.68	0.02	0.27	20.6	696.7	Clear	None
13:30	5	100	6.74	1.04	7.05	1.65	0.02	0.32	20.8	692.1	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL

Comments: Sand/bentonite swollen in well pad

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information				
Well Location:	ROW in front of 11864 Belden Court	Well Locked at Arrival:	yes	
Condition of Well:	Fair, Missing bolts	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-100S

Date

9-16-19

Project Name/Location

Ford LTP

Weather

71.06 degrees F, Cloudy

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

3.0-13.0

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

6.79

Total Depth (ft-bmp)

12.88

Water Column (ft.)

6.09

Gallons in Well

0.99

Pump Intake (ft-bmp)

8.30

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

0.92

Replicate/Code No.

--

Sampled by

Caitlin ONeill

Sample Time:

Label

12:00

Volume Purged

0.91 gallons

Purge Start

11:23

Purge End

12:00

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:25	0	100	6.79	0.00	7.02	3.85	3.14	2.15	21.2	791.6	Clear	None
11:30	5	100	6.82	0.13	7.02	5.78	0.02	0.52	20.7	792.9	Clear	None
11:35	5	100	6.81	0.26	7.02	6.42	0.02	0.28	20.5	784.5	Clear	None
11:40	5	100	6.81	0.39	7.02	6.57	0.02	0.35	20.6	776.4	Clear	None
11:45	5	100	6.81	0.52	7.02	6.71	0.02	0.34	20.5	769.1	Clear	None
11:50	5	100	6.81	0.65	7.02	6.77	0.02	0.37	20.5	761.7	Clear	None
11:55	5	100	6.81	0.78	7.02	6.81	0.02	0.36	20.4	755.5	Clear	None
12:00	5	100	6.81	0.91	7.02	6.76	0.02	0.39	21.0	756.4	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

1,4-dioxane

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

ROW in front of Instrumental Distribution, 11672 Belden Ct

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-101S

Date

9-16-19

Project Name/Location

Ford LTP

Weather

69.98 degrees F, Cloudy

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

4.5-14.5

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

8.17

Total Depth (ft-bmp)

14.05

Water Column (ft.)

5.88

Gallons in Well

0.96

Pump Intake (ft-bmp)

9.80

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

0.95

Replicate/Code No.

--

Sampled by

Caitlin ONeill

Sample Time:

Label

10:30

Volume Purged

0.91 gallons

Purge Start

9:52

Purge End

10:30

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:55	0	100	8.17	0.00	7.10	1.16	0.02	0.47	20.0	218.5	Clear	None
10:00	5	100	8.19	0.13	7.34	1.22	0.02	0.32	19.9	207.8	Clear	None
10:05	5	100	8.19	0.26	7.35	1.88	0.02	0.28	19.8	198.5	Clear	None
10:10	5	100	8.19	0.39	7.39	1.95	0.02	0.29	19.8	192.8	Clear	None
10:15	5	100	8.19	0.52	7.41	1.98	0.02	0.29	19.8	188.1	Clear	None
10:20	5	100	8.19	0.65	7.42	2.00	0.02	0.32	19.9	183.4	Clear	None
10:25	5	100	8.19	0.78	7.43	2.06	0.02	0.25	19.8	180.4	Clear	None
10:30	5	100	8.19	0.91	7.42	2.06	0.02	0.24	19.8	179.7	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

1,4-dioxane

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

Rusty, but overall in good shape

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

West side of NovaStar building, north of parking lot entrance

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00002	Well ID	MW-102	Date	9-18-19			
Project Name/Location	Ford LTP		Weather	59.00 degrees F. Partly Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	10.0-15.0	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	3.05	Total Depth (ft-bmp)	14.65	Water Column (ft.)	11.60			
		Pump Intake (ft-bmp)	12.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.00					
Sample Time:	Label	11:23	Volume Purged	1.88 gallons	Replicate/Code No.	DUP-05	Sampled by	Melissa Weaver
	Purge Start	10:30						
	Purge End	11:22						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C/°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:33	0	125	3.06	0.00	7.20	7.31	29.10	0.39	18.9	-213.7	Clear	None
10:38	5	125	3.06	0.17	7.20	7.32	15.50	0.20	18.8	-218.6	Clear	None
10:43	5	125	3.06	0.34	7.21	7.31	5.09	0.17	18.8	-219.8	Clear	None
10:48	5	125	3.06	0.51	7.22	7.30	4.21	0.15	18.8	-220.8	Clear	None
10:53	5	150	3.06	0.68	7.21	7.30	10.30	0.19	18.8	-221.4	Clear	None
10:58	5	150	3.06	0.88	7.21	7.29	4.92	0.16	18.9	-220.6	Clear	None
11:03	5	150	3.06	1.08	7.22	7.30	9.59	0.15	18.9	-221.0	Clear	None
11:08	5	150	3.06	1.28	7.23	7.29	5.99	0.14	18.9	-221.2	Clear	None
11:13	5	150	3.06	1.48	7.25	7.28	4.34	0.13	18.9	-222.3	Clear	None
11:18	5	150	3.06	1.68	7.25	7.28	4.90	0.12	18.9	-223.4	Clear	None
11:23	5	150	3.06	1.88	7.20	7.28	4.13	0.12	18.9	-222.8	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	6	HCL
1,4-dioxane	40 mL Glass	6	HCL

Comments: Gasket needs to be replaced.

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information				
Well Location:	34430-34434 Rosati Ave	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00002	Well ID	MW-102S	Date	9-18-19			
Project Name/Location	Ford LTP		Weather	69.08 degrees F, Mostly Clear				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	3.22	Total Depth (ft-bmp)	12.37	Water Column (ft.)	9.15			
		Pump Intake (ft-bmp)	4.72	Purge Method	Low-Flow			
		Well Volumes Purged	1.37					
Sample Time:	Label	13:45	Volume Purged	2.04 gallons	Replicate/Code No.	--	Sampled by	Melissa Weaver
	Purge Start	12:41						
	Purge End	13:45						

MW

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:45	0	125	3.22	0.00	7.49	1.95	0.02	0.64	23.0	12.1	Clear	None
12:50	5	125	3.22	0.17	7.49	2.27	0.02	0.30	22.6	-41.9	Clear	None
12:55	5	125	3.22	0.34	7.45	2.70	0.83	0.32	22.6	-31.7	Clear	None
13:00	5	125	3.22	0.51	7.44	2.67	0.02	0.21	22.6	-43.4	Clear	None
13:05	5	125	3.22	0.68	7.41	2.93	0.02	0.17	22.5	-51.6	Clear	None
13:10	5	125	3.22	0.85	7.38	3.15	0.02	0.15	22.4	-58.8	Clear	None
13:15	5	125	3.22	1.02	7.38	3.26	0.02	0.14	22.3	-72.4	Clear	None
13:20	5	125	3.22	1.19	7.35	3.28	0.02	0.16	22.5	-91.3	Clear	None
13:25	5	125	3.22	1.36	7.39	3.21	0.02	0.12	22.7	-99.7	Clear	None
13:30	5	125	3.22	1.53	7.38	3.21	0.02	0.14	22.7	-106.5	Clear	None
13:35	5	125	3.22	1.70	7.39	3.20	0.02	0.14	22.7	-113.3	Clear	None
13:40	5	125	3.22	1.87	7.38	3.24	0.02	0.12	22.7	-121.7	Clear	None
13:45	5	125	3.22	2.04	7.38	3.24	0.02	0.13	22.7	-125.6	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments: Bolts need to be replaced.

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	34430-3443 Rosati Ave.	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-105S

Date

9-16-19

Project Name/Location

Ford LTP

Weather

69.98 degrees F, Cloudy

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

2.5-12.5

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

4.56

Total Depth (ft-bmp)

11.76

Water Column (ft.)

7.20

Gallons in Well

1.17

Pump Intake (ft-bmp)

6.00

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

1.57

Replicate/Code No.

--

Sampled by

Madison Olender

Sample Time:

Label

10:40

Volume Purged

1.84 gallons

Purge Start

9:56

Purge End

10:44

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:56	0	175	4.58	0.00	6.66	0.92	28.00	6.30	21.7	46.1	None	None
10:01	5	175	4.58	0.23	6.82	1.87	12.30	0.28	21.0	7.6	None	None
10:06	5	175	4.58	0.46	7.08	4.16	2.23	0.55	20.6	-66.1	None	None
10:11	5	175	4.58	0.69	7.09	4.08	4.02	0.85	20.5	-74.5	None	None
10:16	5	175	4.58	0.92	7.12	4.21	0.02	0.25	20.4	-83.1	None	None
10:21	5	175	4.58	1.15	7.13	4.28	0.02	0.31	20.3	-87.7	None	None
10:26	5	175	4.58	1.38	7.14	4.35	0.02	0.27	20.3	-90.0	None	None
10:31	5	175	4.58	1.61	7.15	4.47	0.02	0.28	20.2	-90.2	None	None
10:36	5	175	4.58	1.84	7.15	4.48	0.02	0.27	20.2	-91.5	None	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

1,4-dioxane

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

Well had to have water bailed before opening.

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

North side of Rosati, near transformer box

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00002	Well ID	MW-106S	Date	9-23-19	
Project Name/Location	Ford LTP		Weather	71.96 degrees F. Partly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	
Static Water Level (ft-bmp)	4.36	Total Depth (ft-bmp)	11.65	Water Column (ft.)	7.29	
		Pump Intake (ft-bmp)	5.80	Purge Method	Low-Flow	
		Well Volumes Purged	1.33			
Sample Time:	Label	13:08	Volume Purged	1.57 gallons	Replicate/Code No.	--
	Purge Start	12:00			Sampled by	Juli Ryan
	Purge End	13:12				

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (C)/(F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:03	0	100	4.49	0.00	6.80	0.71	117.00	0.47	21.1	23.9	Clear	None
12:08	5	100	4.51	0.13	6.85	0.73	102.00	0.36	21.1	12.6	Clear	None
12:13	5	100	4.53	0.26	6.90	0.73	52.80	0.34	21.3	5.1	Clear	None
12:18	5	100	4.54	0.39	6.93	0.73	24.50	0.27	21.1	-3.7	Clear	None
12:23	5	100	4.54	0.52	6.96	0.73	15.20	0.24	21.3	-16.4	Clear	None
12:28	5	100	4.55	0.65	6.95	0.74	10.80	0.19	21.3	-20.9	Clear	None
12:35	7	100	4.55	0.83	6.97	0.75	8.92	0.18	21.2	-25.6	Clear	None
12:40	5	100	4.55	0.96	6.96	0.75	7.19	0.17	21.0	-30.5	Clear	None
12:45	5	100	4.55	1.09	6.96	0.75	5.94	0.17	21.1	-33.0	Clear	None
12:51	6	100	4.55	1.25	6.97	0.76	5.07	0.15	21.0	-34.8	Clear	None
12:54	3	100	4.55	1.33	6.97	0.76	5.67	0.14	21.1	-36.0	Clear	None
12:57	3	100	4.55	1.41	6.97	0.78	5.78	0.14	20.8	-36.1	Clear	None
13:00	3	100	4.55	1.49	6.97	0.78	4.77	0.15	20.9	-36.9	Clear	None
13:03	3	100	4.55	1.57	6.98	0.77	4.52	0.15	21.0	-39.1	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments: Pumped out water to below top of casing before j-plug was removed

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	12001 stark rd	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-107S

Date

9-24-19

Project Name/Location

Ford LTP

Weather

60.08 degrees F, Partly Cloudy

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

2.5-12.5

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

6.50

Total Depth (ft-bmp)

12.15

Water Column (ft.)

5.65

Gallons in Well

0.92

Pump Intake (ft-bmp)

8.00

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

2.05

Replicate/Code No.

--

Sampled by

Julia McClafferty

Sample Time:

Label

10:52

Volume Purged

1.89 gallons

Purge Start

10:08

Purge End

10:52



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:10	0	160	6.64	0.00	7.46	0.44	1.95	0.38	19.0	104.5	Clear	None
10:15	5	180	6.80	0.21	7.16	0.44	0.02	0.31	19.0	94.8	Clear	None
10:20	5	180	6.91	0.45	7.14	0.44	0.02	0.36	19.0	88.0	Clear	None
10:25	5	180	7.00	0.69	7.25	0.45	0.02	0.31	18.9	85.3	Clear	None
10:30	5	180	7.06	0.93	7.39	0.47	0.02	0.30	18.8	84.1	Clear	None
10:35	5	180	7.15	1.17	7.42	0.50	0.02	0.22	18.8	83.6	Clear	None
10:40	5	180	7.19	1.41	7.46	0.56	0.02	0.23	18.7	86.2	Clear	None
10:45	5	180	7.19	1.65	7.46	0.57	0.02	0.27	18.7	83.1	Clear	None
10:50	5	180	7.20	1.89	7.45	0.57	0.02	0.28	18.7	81.4	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

Before 34367 Capitol's driveway

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.
Measuring Pt. Description
Static Water Level (ft-bmp)

30016346.00002
Top of Casing
4.89

Well ID
Ford LTP
Screen Setting (ft-bmp)
Total Depth (ft-bmp)
Pump Intake (ft-bmp)
Well Volumes Purged
Volume Purged

MW-108S
2.5-12.5
12.26
6.50
1.52
1.82 gallons

Weather
Casing Diameter (in.)
Water Column (ft.)
Purge Method

60.08 degrees F, Clear
2
7.37
Low-Flow

Date
Well Material
Gallons in Well
Sample Method

9-19-19
PVC
1.20
Low-Flow

Sample Time:
Purge Start
Purge End

Label
10:35
9:57
10:35

Replicate/Code No.
--

Sampled by
Heather Woodrum

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:57	0	200	4.98	0.00	7.27	0.84	0.02	4.62	20.7	23.8	None	None
10:02	5	200	4.98	0.26	7.10	0.84	0.02	1.87	20.5	14.4	None	None
10:07	5	200	4.98	0.52	6.83	0.94	0.02	0.25	20.4	-22.8	None	None
10:12	5	200	4.98	0.78	6.86	1.02	0.02	0.24	20.2	-39.5	None	None
10:17	5	200	4.98	1.04	6.89	1.06	0.02	0.23	20.1	-44.3	None	None
10:22	5	200	4.98	1.30	6.91	1.11	0.02	0.22	19.9	-46.9	None	None
10:27	5	200	4.98	1.56	6.93	1.13	0.02	0.21	19.8	-49.0	None	None
10:32	5	200	4.98	1.82	6.93	1.13	0.02	0.23	19.9	-50.5	None	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
1,4-dioxane

Container
40 mL Glass
40 mL Glass

Number
3
3

Preservative
HCL
HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:
Condition of Well:
Well Completion:

ROW on Rosati
Broken thread tabs,Fair,Missing bolts
Flush mount

Well Locked at Arrival:
Well Locked at Departure:
Lock Functioning:

yes
yes
yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00002	Well ID	MW-131S	Date	9-16-19			
Project Name/Location	Ford LTP	Weather	69.98 degrees F, Cloudy					
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	5.74	Total Depth (ft-bmp)	12.67	Water Column (ft.)	6.93			
		Pump Intake (ft-bmp)	7.00	Purge Method	Low-Flow			
		Well Volumes Purged	2.81					
Sample Time:	Label	11:25	Volume Purged	3.18 gallons	Replicate/Code No.	MW-131S-MS/MSD_091619	Sampled by	Shantel Johnson
	Purge Start	10:15						
	Purge End	11:35						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C/°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:20	0	200	5.80	0.00	4.12	0.00	2.00	10.35	22.2	-880.0	Clear	None
10:25	5	200	5.81	0.26	4.31	0.00	9.57	10.23	22.2	-571.9	Clear	None
10:30	5	200	5.81	0.52	4.34	0.00	7.24	10.13	22.0	-264.6	Clear	None
10:35	5	200	5.81	0.78	4.38	0.00	6.57	10.06	21.9	-382.3	Clear	None
10:40	5	200	5.81	1.04	4.44	0.00	7.34	9.85	21.9	-315.1	Clear	None
10:45	5	200	5.81	1.30	4.46	0.00	9.52	9.76	21.7	-119.3	Clear	None
10:51	6	200	5.81	1.62	4.47	0.01	9.02	9.46	21.7	-223.0	Clear	None
10:56	5	200	5.82	1.88	4.50	0.01	9.93	9.12	21.8	-115.4	Clear	None
11:01	5	200	5.82	2.14	6.86	0.06	8.78	10.04	19.5	289.6	Clear	None
11:06	5	200	5.82	2.40	6.90	0.04	7.35	9.66	19.5	303.7	Clear	None
11:11	5	200	5.82	2.66	6.91	0.06	6.09	9.21	19.6	311.9	Clear	None
11:16	5	200	5.82	2.92	6.92	0.07	4.95	8.90	19.5	326.4	Clear	None
11:21	5	200	5.82	3.18	6.93	0.04	3.63	8.54	19.4	324.6	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL

Comments: Well flooded on arrival, bailed prior to sampling, need a lock

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	Rosati	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	no



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-132S

Date

9-16-19

Project Name/Location

Ford LTP

Weather

75.92 degrees F, Cloudy

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

2.5-12.5

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

6.25

Total Depth (ft-bmp)

12.40

Water Column (ft.)

6.15

Gallons in Well

1.00

Pump Intake (ft-bmp)

7.75

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

3.12

Replicate/Code No.

--

Sampled by

Julia McClafferty

Sample Time:

Label

13:58

Volume Purged

3.12 gallons

Purge Start

12:50

Purge End

13:56



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:54	0	200	6.25	0.00	7.08	1.07	73.20	0.42	22.0	129.8	Clear	None
12:59	5	200	6.25	0.26	7.08	1.07	62.00	0.39	22.2	116.2	Clear	None
13:04	5	200	6.29	0.52	7.13	1.10	40.00	0.45	22.1	105.1	Clear	None
13:09	5	200	6.29	0.78	7.13	1.11	38.20	0.25	21.9	100.5	Clear	None
13:14	5	200	6.24	1.04	7.12	1.12	20.60	0.32	22.0	93.9	Clear	None
13:19	5	200	6.26	1.30	7.11	1.17	12.30	0.28	21.8	88.7	Clear	None
13:24	5	200	6.26	1.56	7.11	1.24	6.28	0.32	21.8	80.4	Clear	None
13:29	5	200	6.29	1.82	7.06	1.51	1.34	0.41	21.7	64.5	Clear	None
13:34	5	200	6.30	2.08	7.04	1.70	0.02	0.26	21.7	49.1	Clear	None
13:39	5	200	6.31	2.34	7.04	1.80	0.02	0.26	21.6	32.0	Clear	None
13:44	5	200	6.22	2.60	7.04	1.87	3.67	0.25	21.7	20.4	Clear	None
13:49	5	200	6.22	2.86	7.09	1.88	0.88	0.33	21.9	5.5	Clear	None
13:54	5	200	6.22	3.12	7.05	2.03	0.06	0.26	21.6	-2.3	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

None

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

34400 Rosati

Well Locked at Arrival:

no

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Project Name/Location

Measuring Pt. Description

Static Water Level (ft-bmp)

Well ID

Ford LTP

Top of Casing

7.09

Screen Setting (ft-bmp)

Total Depth (ft-bmp)

Pump Intake (ft-bmp)

Well Volumes Purged

Volume Purged

4.0-9.0

8.58

8.09

5.00

1.2 gallons

Weather

Casing Diameter (in.)

Water Column (ft.)

Purge Method

Replicate/Code No.

64.04 degrees F, Fog/Mist

2

1.49

Low-Flow

DUP-01

Date

Well Material

Gallons in Well

Sample Method

Sampled by

9-17-19

PVC

0.24

Low-Flow

Xenia Chan

Sample Time:

Label

10:49

Purge Start

10:10

Purge End

10:45

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:13	0	150	7.12	0.00	6.77	0.78	0.65	0.80	18.7	172.4	Clear	None
10:18	5	150	7.12	0.20	6.82	0.77	0.69	0.50	18.6	164.5	Clear	None
10:23	5	150	7.12	0.40	6.86	0.75	0.02	0.36	18.6	158.8	Clear	None
10:28	5	150	7.12	0.60	6.89	0.75	0.02	0.31	18.6	152.0	Clear	None
10:33	5	150	7.12	0.80	6.90	0.75	0.02	0.28	18.6	147.7	Clear	None
10:38	5	150	7.12	1.00	6.90	0.74	0.02	0.25	18.6	143.4	Clear	None
10:43	5	150	7.12	1.20	6.90	0.74	0.02	0.28	18.6	138.6	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

1,4-dioxane

Container

40 mL Glass

40 mL Glass

Number

6

6

Preservative

HCL

HCL

Comments

None

Well Casing Volumes

Gallons/Foot

1" = 0.04

1.5" = 0.09

2" = 0.16

2.5" = 0.26

3" = 0.37

3.5" = 0.50

4" = 0.65

6" = 1.47

Well Information

Well Location:

12069 Stark

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



Page 1 of 1

Project No.	30016346.00002	Well ID	MW-134S			Date	9-17-19
Project Name/Location	Ford LTP		Weather			68.00 degrees F, Haze	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5.0-10.0	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	8.08	Total Depth (ft-bmp)	9.48	Water Column (ft.)	1.40	Gallons in Well	0.23
		Pump Intake (ft-bmp)	9.08	Purge Method	Low-Flow	Sample Method	Low-Flow
		Well Volumes Purged	11.48				
Sample Time:	Label	13:32	Volume Purged	2.64 gallons	Replicate/Code No.	MW-134S-MS/MSD_091719	Sampled by
	Purge Start	12:22					Xenia Chan
	Purge End	13:26					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	9	HCL
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	9	HCL

Comments	Slight swelling of bentonite. Removed to better access the well.

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
				6" = 1.47

Well Information

Well Location:	12051 Stark	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30016346.00002	Well ID	MW-135S	Date	9-16-19	
Project Name/Location	Ford LTP		Weather	71.06 degrees F, Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5.0-10.0	Casing Diameter (in.)	2	
Static Water Level (ft-bmp)	7.03	Total Depth (ft-bmp)	9.68	Water Column (ft.)	2.65	
		Pump Intake (ft-bmp)	8.53	Purge Method	Low-Flow	
		Well Volumes Purged	7.26			
Sample Time:	Label	12:28	Volume Purged	3.12 gallons	Replicate/Code No.	--
	Purge Start	11:25			Sampled by	Madison Olender
	Purge End	12:32				

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C/°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:26	0	200	7.03	0.00	7.20	0.45	31.00	1.53	18.2	34.9	None	None
11:31	5	200	7.07	0.26	7.09	0.45	18.80	1.96	17.8	47.7	None	None
11:36	5	200	7.07	0.52	7.13	0.47	8.30	1.64	17.8	49.0	None	None
11:41	5	200	7.07	0.78	7.24	0.49	2.37	0.32	17.8	46.5	None	None
11:46	5	200	7.07	1.04	7.22	0.50	3.53	1.28	17.7	52.1	None	None
11:51	5	200	7.07	1.30	7.26	0.51	0.02	0.51	17.6	44.6	None	None
11:56	5	200	7.07	1.56	7.26	0.51	0.02	0.16	17.6	34.0	None	None
12:01	5	200	7.07	1.82	7.29	0.51	0.02	1.62	17.7	23.4	None	None
12:06	5	200	7.07	2.08	7.30	0.52	0.02	1.28	17.7	16.5	None	None
12:11	5	200	7.07	2.34	7.28	0.52	0.02	2.15	17.7	11.0	None	None
12:16	5	200	7.07	2.60	7.28	0.52	0.02	2.40	17.6	6.7	None	None
12:21	5	200	7.07	2.86	7.29	0.52	0.02	2.85	17.5	4.1	None	None
12:26	5	200	7.07	3.12	7.29	0.52	0.02	1.83	17.6	3.1	None	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,4-dioxane	40 mL Glass	3	HCL
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL

Comments: Well vault was full of bentonite. Routine maintenance performed.

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information				
Well Location:	12033 stark	Well Locked at Arrival:	yes	
Condition of Well:	Fair	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-136S

Date

9-18-19

Project Name/Location

Ford LTP

Weather

69.08 degrees F, Mostly Clear

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

2.0-7.0

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

4.40

Total Depth (ft-bmp)

7.18

Water Column (ft.)

2.78

Gallons in Well

0.45

Pump Intake (ft-bmp)

5.90

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

3.11

Replicate/Code No.

--

Sampled by

Xenia Chan

Sample Time:

Label

14:46

Volume Purged

1.4 gallons

Purge Start

14:04

Purge End

14:42

Xenia Chan

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:07	0	150	4.60	0.00	6.98	2.03	0.02	1.11	19.3	-35.6	Clear	None
14:12	5	150	4.70	0.20	6.94	2.00	0.02	0.50	18.8	-41.2	Clear	None
14:17	5	150	4.73	0.40	6.95	2.00	0.02	0.51	18.6	-48.8	Clear	None
14:22	5	150	4.74	0.60	6.98	2.02	0.02	0.60	18.7	-59.1	Clear	None
14:27	5	150	4.74	0.80	6.99	2.02	0.02	0.51	18.7	-65.2	Clear	None
14:32	5	150	4.74	1.00	7.00	2.02	0.02	0.54	18.8	-69.8	Clear	None
14:37	5	150	4.74	1.20	7.01	2.03	0.02	0.58	18.6	-72.1	Clear	None
14:42	5	150	4.75	1.40	7.01	2.03	0.02	0.58	18.6	-73.8	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

Removed sand pack to better access the well

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

34401 Stark

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-137S

Date

9-23-19

Project Name/Location

Ford LTP

Weather

73.94 degrees F, Partly Cloudy

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

2.0-7.0

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

4.35

Total Depth (ft-bmp)

7.02

Water Column (ft.)

2.67

Gallons in Well

0.43

Pump Intake (ft-bmp)

5.85

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

3.91

Replicate/Code No.

--

Sampled by

Julia McClafferty

Sample Time:

Label

15:50

Volume Purged

1.68 gallons

Purge Start

15:10

Purge End

15:50



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
15:13	0	180	4.39	0.00	6.93	1.06	5.73	0.48	18.9	6.4	Clear	None
15:18	5	180	4.39	0.24	6.89	1.09	0.14	0.47	18.8	5.6	Clear	None
15:23	5	180	4.39	0.48	6.90	1.11	0.02	0.46	18.7	1.3	Clear	None
15:28	5	180	4.39	0.72	6.93	1.12	0.02	0.47	18.8	-4.0	Clear	None
15:33	5	180	4.40	0.96	6.93	1.13	0.02	0.58	18.6	-7.7	Clear	None
15:38	5	180	4.40	1.20	6.94	1.13	0.02	0.48	18.5	-9.4	Clear	None
15:43	5	180	4.40	1.44	6.95	1.14	0.02	0.48	18.5	-12.1	Clear	None
15:48	5	180	4.40	1.68	6.95	1.14	0.02	0.51	18.6	-13.7	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

Pad raised above ground, bentonite swelling - performed maintenance

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

12088 Brewster

Well Locked at Arrival:

yes

Condition of Well:

Good,Pad damaged

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-138S

Date

9-23-19

Project Name/Location

Ford LTP

Weather

68.00 degrees F, Mostly Cloudy

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

2.0-7.0

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

2.55

Total Depth (ft-bmp)

5.98

Water Column (ft.)

3.43

Gallons in Well

0.56

Pump Intake (ft-bmp)

4.05

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

2.57

Replicate/Code No.

DUP-03

Sampled by

Julia McClafferty

Sample Time:

Label

10:52

Volume Purged

1.44 gallons

Purge Start

10:16

Purge End

10:52



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:20	0	180	2.61	0.00	6.98	2.09	0.02	0.36	19.8	4.6	Clear	None
10:25	5	180	2.61	0.24	7.00	2.11	0.02	0.23	19.7	-27.4	Clear	None
10:30	5	180	2.61	0.48	7.01	2.11	0.02	0.20	19.7	-40.5	Clear	None
10:35	5	180	2.61	0.72	7.02	2.12	0.02	0.17	19.7	-50.1	Clear	None
10:40	5	180	2.61	0.96	7.03	2.11	0.02	0.14	19.7	-55.9	Clear	None
10:45	5	180	2.61	1.20	7.03	2.09	0.02	0.14	19.7	-60.6	Clear	None
10:50	5	180	2.61	1.44	7.03	2.07	0.02	0.16	19.8	-64.2	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

Slight bentonite swelling, performed maintenance

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

34450 Beacon, right side of porch

Well Locked at Arrival:

no

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-139S

Date

9-20-19

Project Name/Location

Ford LTP

Weather

64.94 degrees F, Haze

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

2.0-7.0

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

3.98

Total Depth (ft-bmp)

6.91

Water Column (ft.)

2.93

Gallons in Well

0.48

Pump Intake (ft-bmp)

5.48

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

2.42

Replicate/Code No.

--

Sampled by

Julia McClafferty

Sample Time:

Label

10:16

Volume Purged

1.16 gallons

Purge Start

9:42

Purge End

10:16

Julia McClafferty

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:44	0	160	4.02	0.00	7.65	0.54	0.02	0.35	18.9	-61.7	Clear	None
9:49	5	145	4.00	0.21	7.22	0.50	0.02	0.24	18.9	-67.0	Clear	None
9:54	5	145	4.00	0.40	7.18	0.49	0.02	0.20	18.9	-68.0	Clear	None
9:59	5	145	4.00	0.59	7.15	0.48	0.02	0.17	18.8	-67.4	Clear	None
10:04	5	145	4.01	0.78	7.14	0.48	0.02	0.15	18.8	-67.5	Clear	None
10:09	5	145	4.01	0.97	7.14	0.48	0.02	0.15	19.0	-67.1	Clear	None
10:14	5	145	4.02	1.16	7.14	0.48	0.02	0.15	19.0	-67.0	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments J-plug will not tighten - needs replacement

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

12066 Boston; across from screened in porch

Well Locked at Arrival:

no

Condition of Well:

Good

Well Locked at Departure:

no

Well Completion:

Flush mount

Lock Functioning:

no



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-140S

Date

9-18-19

Project Name/Location

Ford LTP

Weather

64.94 degrees F, Mostly Clear

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

2.0-7.0

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

5.10

Total Depth (ft-bmp)

6.45

Water Column (ft.)

1.35

Gallons in Well

0.22

Pump Intake (ft-bmp)

6.40

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

15.00

Replicate/Code No.

MW-140S-MS_091819,
MW-140S-MSD_091819

Sampled by

Heather Woodrum

Sample Time:

Label

10:52

Volume Purged

3.3 gallons

Purge Start

10:00

Purge End

10:50

Heather Woodrum

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:00	0	250	5.15	0.00	7.14	0.29	3.75	6.06	16.9	86.4	None	None
10:05	5	250	5.15	0.33	6.98	0.34	0.02	1.58	16.7	91.4	None	None
10:10	5	250	5.15	0.66	7.04	0.36	0.73	0.74	16.6	80.2	None	None
10:15	5	250	5.15	0.99	7.13	0.37	0.02	0.58	16.6	71.5	None	None
10:20	5	250	5.15	1.32	7.18	0.37	0.02	0.50	16.8	65.4	None	None
10:25	5	250	5.15	1.65	7.21	0.38	0.02	0.47	16.7	61.5	None	None
10:30	5	250	5.15	1.98	7.23	0.38	0.02	0.46	16.7	57.8	None	None
10:35	5	250	5.15	2.31	7.21	0.38	0.02	0.65	16.8	55.6	None	None
10:40	5	250	5.15	2.64	7.24	0.39	0.02	0.47	16.6	52.2	None	None
10:45	5	250	5.15	2.97	7.26	0.39	0.02	0.48	16.9	49.1	None	None
10:50	5	250	5.15	3.30	7.28	0.39	0.02	0.47	16.8	45.8	None	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC
1,4-dioxane

Container

40 mL Glass
40 mL Glass

Number

9
9

Preservative

HCL
HCL

Comments

Missing bolt

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

ROW on Boston Post

Well Locked at Arrival:

yes

Condition of Well:

Bentonite swelling

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes



Page 1 of 1

Walter P. Reuther

* **Turbidity** < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Comments None

Well Information

Well Location:	ROW in 12124 Boston Post	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Project Name/Location

Measuring Pt. Description

Static Water Level (ft-bmp)

Well ID

Ford LTP

Top of Casing

5.12

Screen Setting (ft-bmp)

Total Depth (ft-bmp)

Pump Intake (ft-bmp)

Well Volumes Purged

Volume Purged

2.5-7.5

6.78

6.62

7.70

2.08 gallons

Weather

Casing Diameter (in.)

Water Column (ft.)

Purge Method

Replicate/Code No.

MW-142S

2

1.66

Low-Flow

--

Date

78.08 degrees F, Mostly Cloudy

Gallons in Well

Sample Method

Sampled by

9-16-19

PVC

0.27

Low-Flow

Julia McClafferty

Sample Time:

Label

16:40

Purge Start

15:53

Purge End

16:38



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
15:56	0	200	5.23	0.00	6.63	1.15	141.00	5.42	19.5	64.3	Cloudy	None
16:01	5	200	5.21	0.26	6.63	1.16	86.20	5.88	19.4	51.8	Cloudy	None
16:06	5	200	5.24	0.52	6.68	1.16	33.20	5.34	19.5	23.1	Cloudy	None
16:11	5	200	5.24	0.78	6.69	1.15	1.54	5.27	19.3	11.2	Clear	None
16:16	5	200	5.23	1.04	6.71	1.15	0.00	4.94	19.4	1.0	Clear	None
16:21	5	200	5.25	1.30	6.73	1.15	0.02	4.65	19.4	-10.6	Clear	None
16:26	5	200	5.25	1.56	6.74	1.15	0.02	4.65	19.4	-18.3	Clear	None
16:31	5	200	5.26	1.82	6.74	1.15	0.02	4.39	19.2	-24.6	Clear	None
16:36	5	200	5.27	2.08	6.75	1.15	0.02	4.21	19.3	-28.1	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments _ Bentonite and sand pack swollen. Performed routine maintenance.

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

Condition of Well:

Well Completion:

34326 Rosati

Fair,Pad has some cracks

Flush mount

Well Locked at Arrival:

Well Locked at Departure:

Lock Functioning:

yes

yes

yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.30016346.00002

Well ID

MW-192S

Date

9-20-19

Project Name/Location

Ford LTP

Weather

73.04 degrees F, Mostly Clear

Measuring Pt. Description

Top of Casing

Screen Setting (ft-bmp)

2.5-7.5

Casing Diameter (in.)

2

Well Material

PVC

Static Water Level (ft-bmp)

2.90

Total Depth (ft-bmp)

7.70

Water Column (ft.)

4.80

Gallons in Well

0.78

Pump Intake (ft-bmp)

4.40

Purge Method

Low-Flow

Sample Method

Low-Flow

Well Volumes Purged

2.36

Replicate/Code No.

--

Sampled by

Julia McClafferty

Sample Time:

Label

14:11

Volume Purged

1.84 gallons

Purge Start

13:26

Purge End

14:11

Julia McClafferty

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C)/(°F) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:29	0	175	3.02	0.00	7.46	1.22	0.02	0.55	19.5	-3.3	Clear	None
13:34	5	175	3.09	0.23	7.14	1.56	0.02	0.33	19.3	-8.2	Clear	None
13:39	5	175	3.10	0.46	7.12	1.68	0.02	0.32	19.3	-23.9	Clear	None
13:44	5	175	3.11	0.69	7.12	1.78	0.02	0.30	19.2	-22.7	Clear	None
13:49	5	175	3.11	0.92	7.12	1.95	0.02	0.26	19.2	-21.5	Clear	None
13:54	5	175	3.10	1.15	7.14	1.90	0.02	0.31	19.2	-23.1	Clear	None
13:59	5	175	3.10	1.38	7.14	1.84	0.02	0.32	19.2	-24.7	Clear	None
14:04	5	175	3.12	1.61	7.15	1.83	0.02	0.28	19.1	-25.9	Clear	None
14:09	5	175	3.12	1.84	7.15	1.83	0.02	0.26	19.2	-27.1	Clear	None
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--

* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled

1,4-dioxane

1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC

Container

40 mL Glass

40 mL Glass

Number

3

3

Preservative

HCL

HCL

Comments

Minor cracks on pad

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

12036 Brewster Ave; on the left hand side of the house

Well Locked at Arrival:

yes

Condition of Well:

Good

Well Locked at Departure:

yes

Well Completion:

Flush mount

Lock Functioning:

yes

APPENDIX D

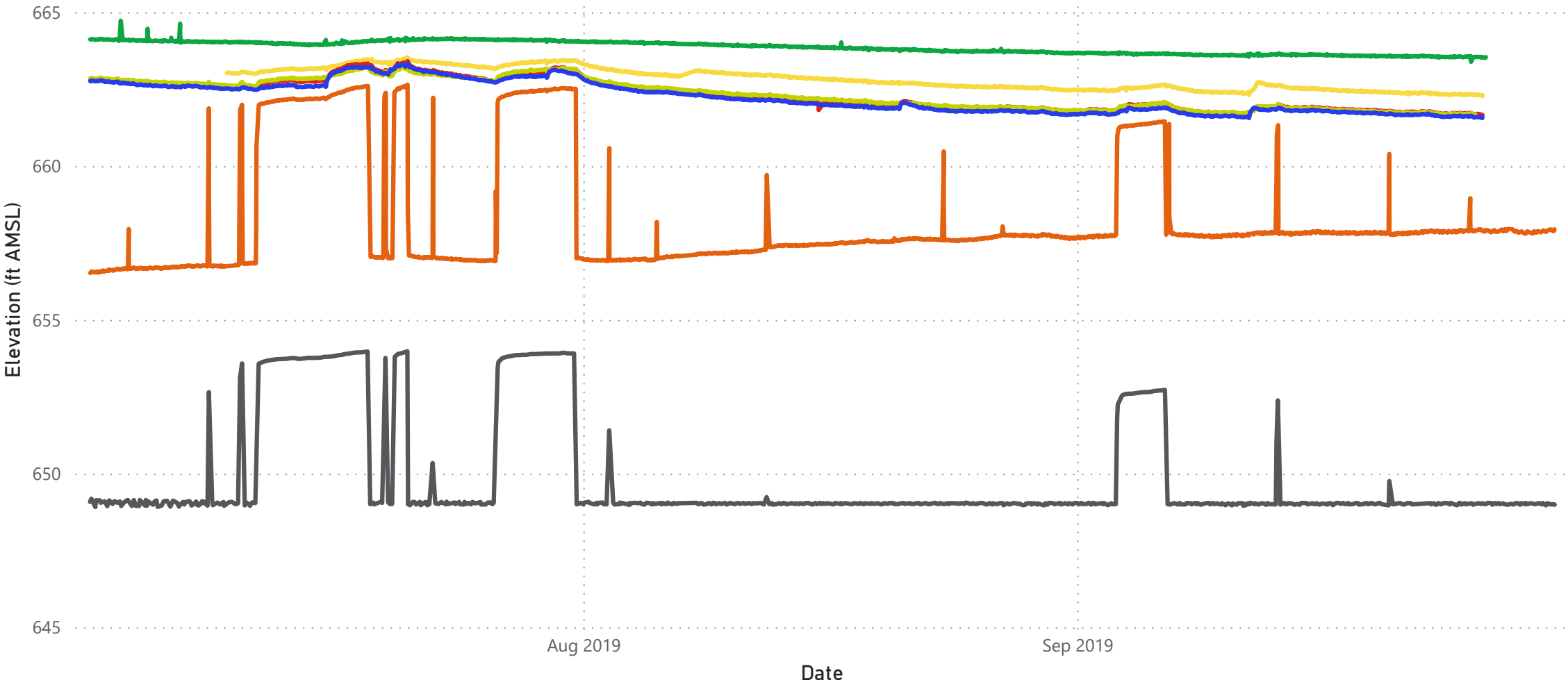
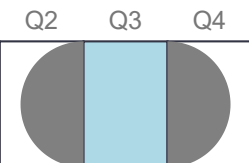
Transducer Data



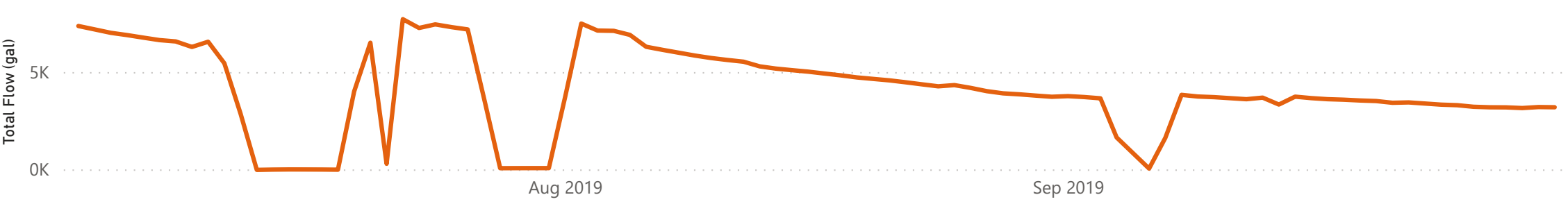
● ESD-1 Vault ● ESD-1 Pump ● MW-18 ● MW-50 ● MW-62 ● PZ-08 ● PZ-14 ● PZ-15

ESD-1

Y **Q** M W D
Quarter



ESD-1 Daily Flow



ESD-1

CITY: Novi DIV: ENV DB: MG PROJECT NUMBER: 1375.01.02 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet
Z:\GISProjects\ENV\Novi\Brighton_MI\Ford\Livonia\GIS\docs\2019-04\Well_Locations.mxd PLOTTED: 4/2/2019 4:05:39 PM BY: msmiller



LEGEND:

MONITORING WELL	VAULT (2-FT x 2-FT)
LNAPL MONITORING WELL	VAULT (4-FT x 6-FT)
PIEZOMETER	WELL SCREEN (4-INCH SDR-11 HDPE, CUSTOM SLOTTED)
ESD PUMP	WELL BLANK CASING (4-INCH SDR-11 HDPE)
FORD PROPERTY BOUNDARY	WELL BLANK CASING (6-INCH SDR-11 HDPE)

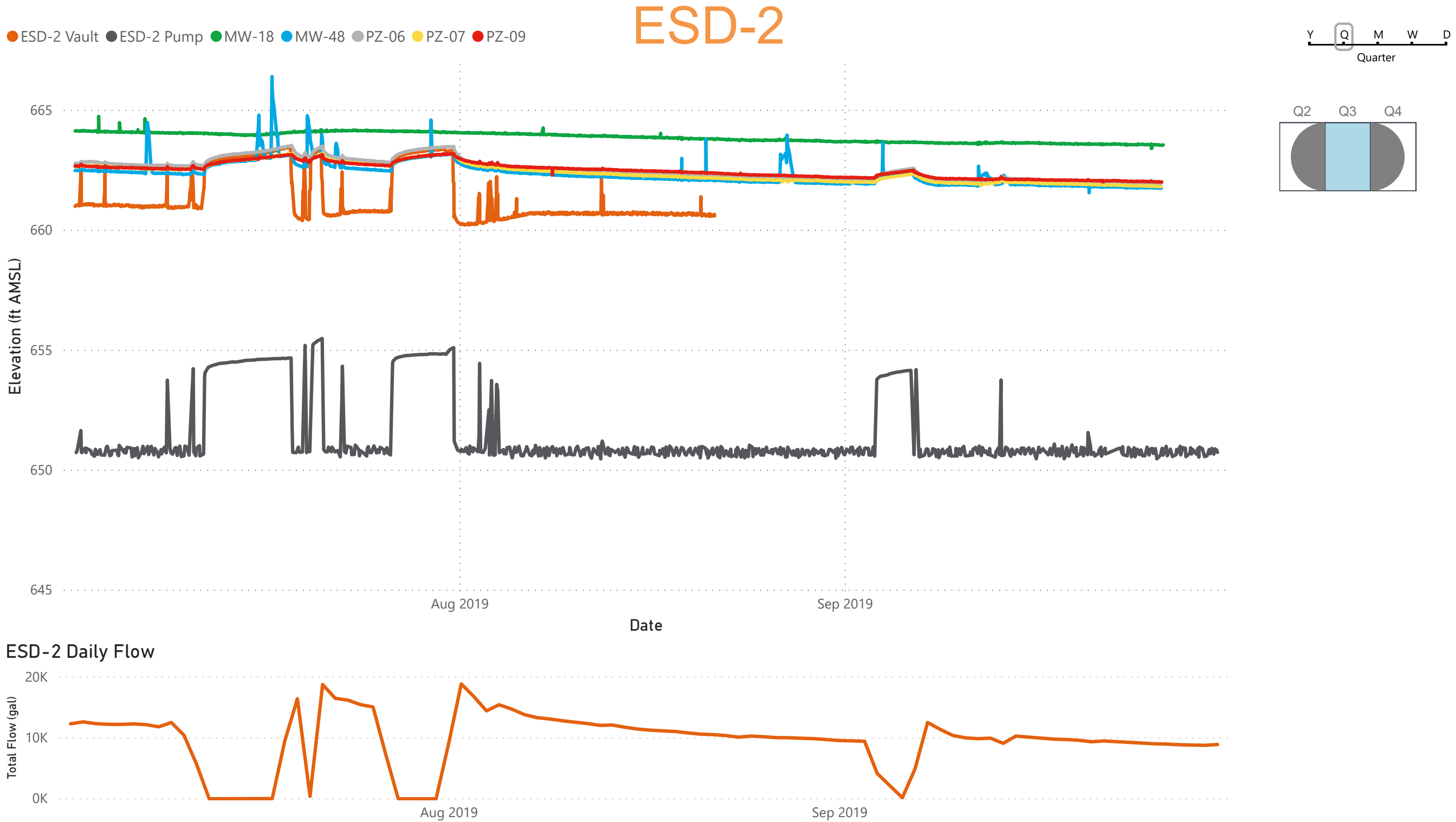
FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

WELL LOCATIONS



Design & Construction
for natural and
built assets

FIGURE
1



ESD-2

CITY: Novi DIV: ENV DB: MG PROJECT NUMBER: 1375.01.02 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet
Z:\GISProjects\ENV\Novi\Brighton_MI\Ford\Livonia\GIS\docs\2019-04\Well_Locations.mxd PLOTTED: 4/2/2019 4:05:39 PM BY: msmiller



LEGEND:

▲	MONITORING WELL	■	VAULT (2 FT x 2 FT)
▲	LNAPL MONITORING WELL	■	VAULT (4 FT x 6 FT)
▲	PIEZOMETER	---	WELL SCREEN (4-INCH SDR-11 HDPE, CUSTOM SLOTTED)
●	ESD PUMP	—	WELL BLANK CASING (4-INCH SDR-11 HDPE)
---	FORD PROPERTY BOUNDARY	—	WELL BLANK CASING (6-INCH SDR-11 HDPE)

FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

WELL LOCATIONS

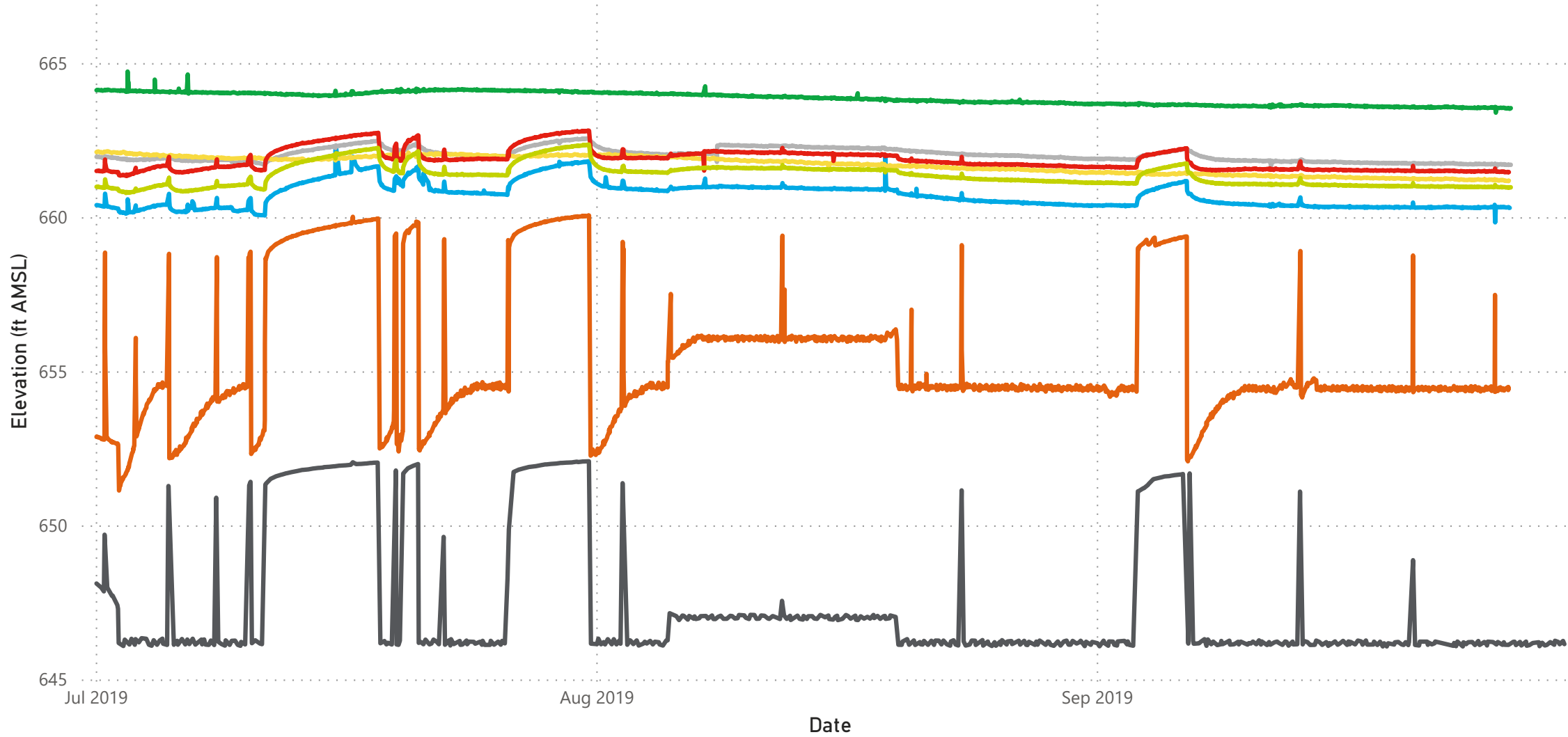
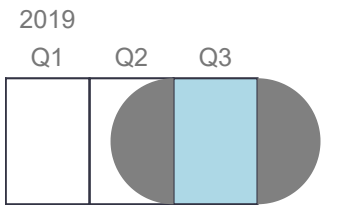


FIGURE
1

● ESD-3 Vault ● ESD-3 Pump ● MW-18 ● MW-46 ● MW-68 ● PZ-03 ● PZ-10 ● PZ-13

ESD-3

Y **Q** M W D
Quarter



ESD-3 Daily Flow



ESD-3

CITY: Novi DIV: ENV DB: MG PROJECT NUMBER: 1375.01.02 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet
Z:\GISProjects\ENV\Novi\Brighton_MI\Ford\Livonia\GIS\docs\2019-04\Well_Locations.mxd PLOTTED: 4/2/2019 4:05:39 PM BY: msmiller



LEGEND:

▲	MONITORING WELL	■	VAULT (2 FT x 2 FT)
▲	LNAPL MONITORING WELL	■	VAULT (4 FT x 6 FT)
▲	PIEZOMETER	---	WELL SCREEN (4-INCH SDR-11 HDPE, CUSTOM SLOTTED)
●	ESD PUMP	—	WELL BLANK CASING (4-INCH SDR-11 HDPE)
---	FORD PROPERTY BOUNDARY	—	WELL BLANK CASING (6-INCH SDR-11 HDPE)

FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

WELL LOCATIONS

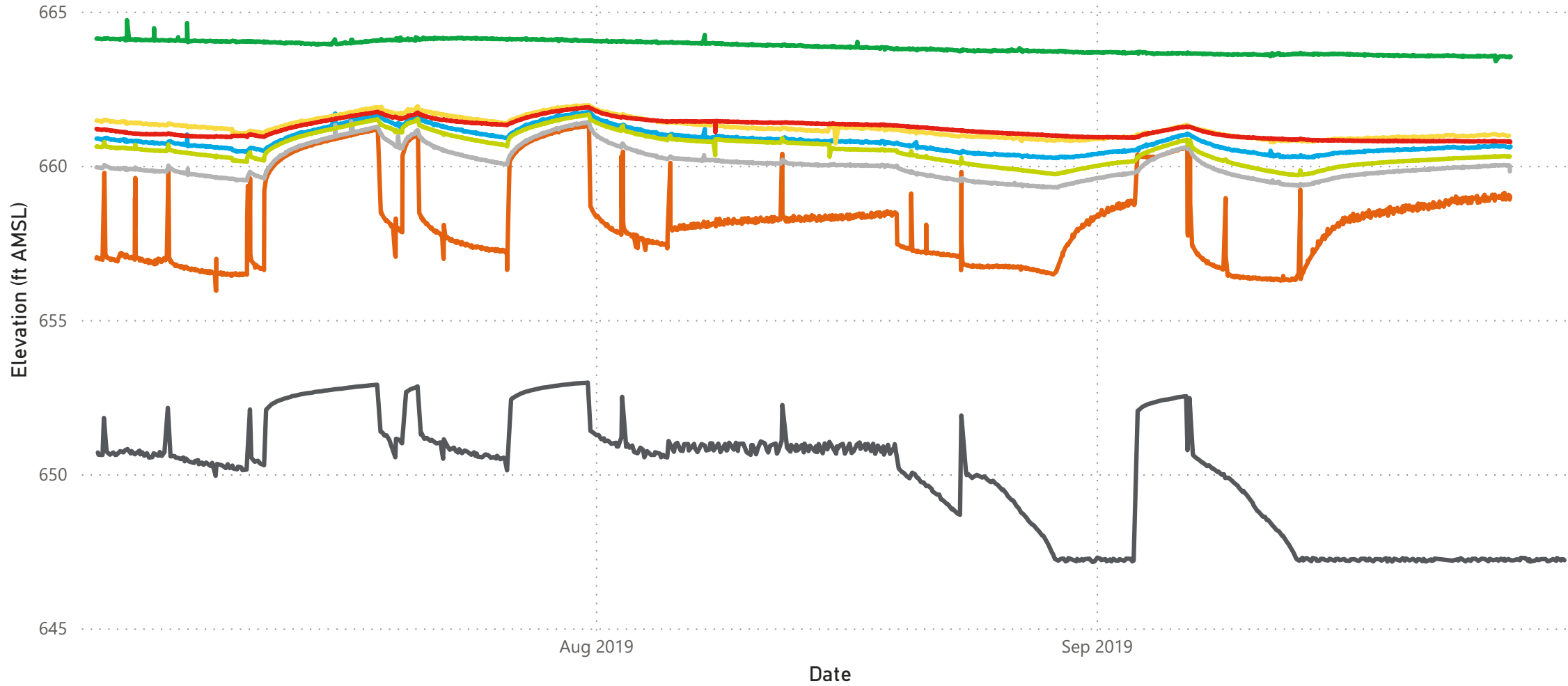
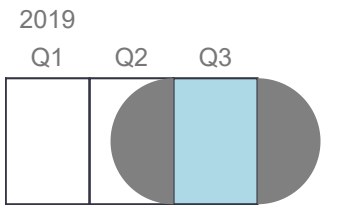


FIGURE
1

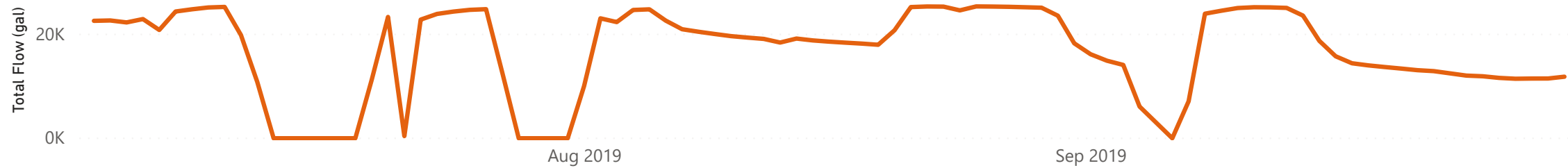
● ESD-4 Vault ● ESD-4 Pump ● MW-18 ● MW-45 ● MW-71 ● PZ-05 ● PZ-11 ● PZ-12

ESD-4

Y **Q** M W D
Quarter



ESD-4 Daily Flow



ESD-4

CITY: Novi DIV: ENV DB: MG PROJECT NUMBER: 1375.01.02 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet
Z:\GISProjects\ENV\Novi\Brighton_MI\Ford\Livonia\GIS\docs\2019-04\Well_Locations.mxd PLOTTED: 4/2/2019 4:05:39 PM BY: msmiller



LEGEND:

▲ MONITORING WELL	■ VAULT (2 FT x 2 FT)
▲ LNAPL MONITORING WELL	■ VAULT (4 FT x 6 FT)
▲ PIEZOMETER	--- WELL SCREEN (4-INCH SDR-11 HDPE, CUSTOM SLOTTED)
● ESD PUMP	— WELL BLANK CASING (4-INCH SDR-11 HDPE)
— FORD PROPERTY BOUNDARY	— WELL BLANK CASING (6-INCH SDR-11 HDPE)

FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

WELL LOCATIONS



FIGURE
1

APPENDIX E

Stability Analysis



Trend Analysis Methodology

The Mann-Kendall trend test is a non-parametric test that determines trends based on ranked data. As such, it is relatively insensitive to small data sets, outlier values and non-detect concentrations and does not require the data to fit a specific model. The basic Mann-Kendall trend test is performed by listing the concentrations of the constituent of interest in temporal order and computing the differences between a given measurement and earlier measurements (Gilbert 1987; USEPA 2009). Based on USEPA guidance (USEPA 2009), non-detect values are set to a single value less than that of any detections, and laboratory qualified concentrations are set equal to the laboratory reporting limit.

The Mann-Kendall test statistic (sum of trend [S]) is the difference between the number of strictly positive differences and the number of strictly negative differences. If S is positive, an increasing trend is indicated; if S is negative, a decreasing trend is indicated; and if S is near zero, no trend is apparent. Trends with positive or negative S-statistics were accepted as statistically significant for p-values less than or equal to 0.1 (90% confidence level). The coefficient of variation (CV) is a quantitative measure that can be used to evaluate if concentrations are stable in cases where a statistically significant trend is not apparent. The CV is calculated as the standard deviation of concentrations of each COC measured over time at a monitoring well divided by the mean (average) concentration over the same time period. CV values near or greater than 1 indicate variability in concentrations over time or suggest an underlying trend that is not statistically significant. Lower CV values indicate that concentrations are stable over time. Where no significant trend was found, the trend determination presented was based on the sign and magnitude of the S-statistic, the CV value, and visual examination of the pattern in concentrations over time.

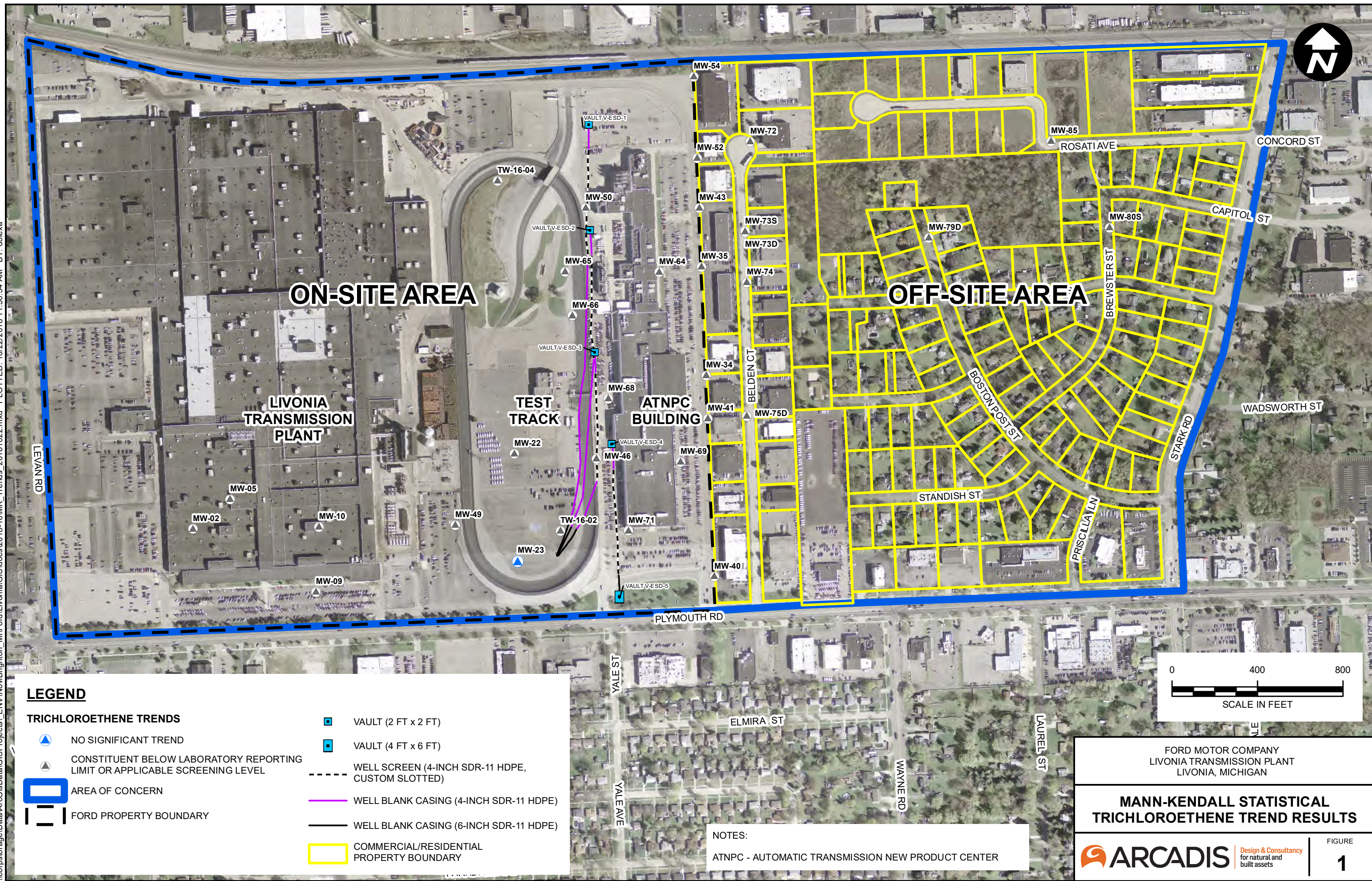
References

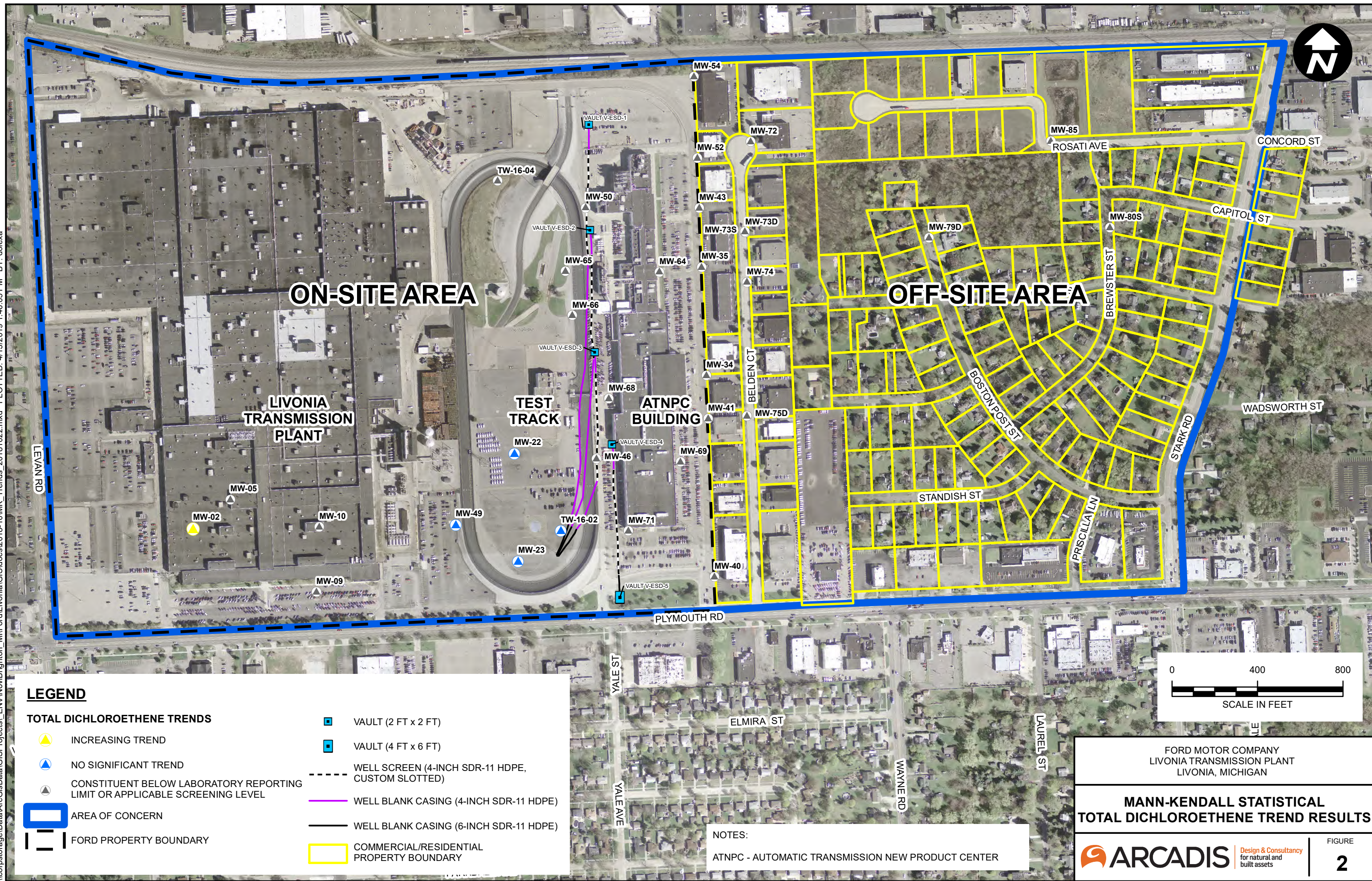
- Gilbert, R.O. 1987. *Statistical Methods for Environmental Pollution Monitoring*. John Wiley and Sons, Inc. New York.
- USEPA. 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities. Office of Resource Conservation and Recovery. Unified Guidance. EPA 530-R-09-007.

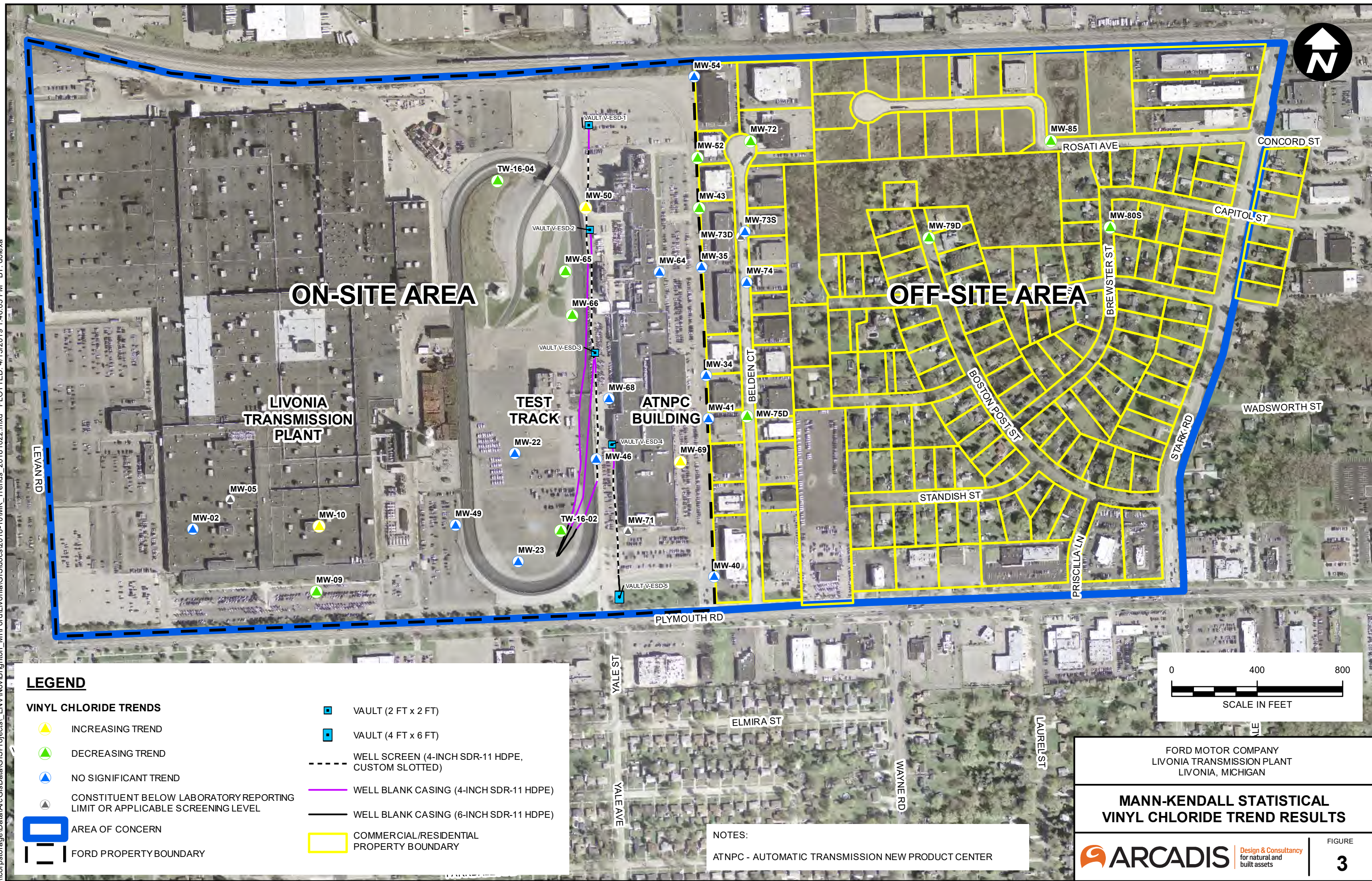
Monitoring Well	Constituent	Start Date	End Date	Minimum Concentration	Maximum Concentration	Most Recent Concentration	n	% detections	CV	S-Statistic	p-value	Trend Determination
MW-02	TCE	5/12/2016	9/25/2019	8.2 J	< 140	27 J	11	27	NA	NA	NA	NA
MW-02	Total DCE	5/12/2016	9/25/2019	550	4,640	4,640	11	100	0.6	51	< 0.01	Statistically Significant Increasing
MW-02	VC	5/12/2016	9/25/2019	140	230	200	11	100	0.1	4	0.406	Stable
MW-05	TCE	5/13/2016	9/27/2019	0.18 J	< 1.0	< 1.0	10	20	NA	NA	NA	NA
MW-05	Total DCE	5/13/2016	9/27/2019	0.39 J	< 1.0	< 1.0	10	20	NA	NA	NA	NA
MW-05	VC	5/13/2016	9/27/2019	< 1.0	< 1.0	< 1.0	10	0	NA	NA	NA	NA
MW-09	TCE	5/12/2016	9/27/2019	< 1.0	< 1.0	< 1.0	10	0	NA	NA	NA	NA
MW-09	Total DCE	5/12/2016	9/27/2019	0.29 J	< 1.0	< 1.0	10	10	NA	NA	NA	NA
MW-09	VC	5/12/2016	9/27/2019	0.94 J	7.6	0.98 J	10	100	0.8	-39	< 0.01	Statistically Significant Decreasing
MW-10	TCE	5/13/2016	9/27/2019	14 J	< 250	< 200	11	9	NA	NA	NA	NA
MW-10	Total DCE	5/13/2016	9/27/2019	< 25	< 250	< 200	11	0	NA	NA	NA	NA
MW-10	VC	5/13/2016	9/27/2019	1,200	3,600	3,000	11	100	0.3	36	< 0.01	Statistically Significant Increasing
MW-22	TCE	5/10/2016	9/19/2019	0.25 J	< 200	0.25 J	11	9	NA	NA	NA	NA
MW-22	Total DCE	5/10/2016	9/19/2019	25	394	394	11	100	0.6	16	0.121	Potentially Increasing
MW-22	VC	5/10/2016	9/19/2019	830	2,600 J	830	11	100	0.3	-5	0.377	Stable
MW-23	TCE	5/10/2016	9/24/2019	1,000	25,000	11,000	9	100	0.6	3	0.421	Variable
MW-23	Total DCE	5/10/2016	9/24/2019	2,580	82,100	44,600	9	100	0.6	4	0.381	Variable
MW-23	VC	5/10/2016	9/24/2019	77 J	2,400	1,600 J	9	89	0.6	-5	0.334	Variable
MW-34	TCE	5/10/2016	9/28/2019	< 1.0	< 1.0	< 1.0	11	0	NA	NA	NA	NA
MW-34	Total DCE	5/10/2016	9/28/2019	0.29 J	< 1.0	< 1.0	11	55	0.2	NA	NA	Less than screening criteria
MW-34	VC	5/10/2016	9/28/2019	0.52 J	2.2	2.2	11	100	0.5	14	0.155	Stable to Increasing
MW-35	TCE	5/10/2016	9/28/2019	0.11 J	< 1.0	< 1.0	10	10	NA	NA	NA	NA
MW-35	Total DCE	5/10/2016	9/28/2019	0.19 J	< 1.0	< 1.0	10	10	NA	NA	NA	NA
MW-35	VC	5/10/2016	9/28/2019	1.8	7.2	2.6	10	100	0.5	-5	0.364	Stable
MW-40	TCE	5/10/2016	9/28/2019	< 1.0	< 1.0	< 1.0	8	0	NA	NA	NA	NA
MW-40	Total DCE	5/10/2016	9/28/2019	2.6	3.7	3.2	8	100	0.2	NA	NA	Less than screening criteria
MW-40	VC	5/10/2016	9/28/2019	0.26 J	1.8	0.9 J	8	88	0.5	2	0.452	Stable
MW-41	TCE	5/11/2016	9/28/2019	< 1.0	< 1.0	< 1.0	11	0	NA	NA	NA	NA
MW-41	Total DCE	5/11/2016	9/28/2019	0.77 J	3.5	2.2	11	100	0.3	NA	NA	Less than screening criteria
MW-41	VC	5/11/2016	9/28/2019	1.5	5.3	1.5	11	100	0.4	-12	0.194	Stable to Decreasing
MW-43	TCE	5/11/2016	9/28/2019	< 1.0	< 1.0	< 1.0	11	0	NA	NA	NA	NA
MW-43	Total DCE	5/11/2016	9/28/2019	< 1.0	< 1.0	< 1.0	11	0	NA	NA	NA	NA
MW-43	VC	5/11/2016	9/28/2018	0.71 J	17	< 1.0	11	91	1.0	-35	< 0.01	Statistically Significant Decreasing
MW-46	TCE	5/12/2016	9/25/2019	< 1.0	< 5.0	< 1.0	11	0	NA	NA	NA	NA
MW-46	Total DCE	5/12/2016	9/25/2019	1.6 J	26	5.5	11	100	0.7	NA	NA	Less than screening criteria
MW-46	VC	5/12/2016	9/25/2019	13	150	20	11	100	0.8	-13	0.175	Potentially Decreasing
MW-49	TCE	5/12/2016	9/27/2019	< 500	< 2,500	< 2,500	10	0	NA	NA	NA	NA
MW-49	Total DCE	5/12/2016	9/27/2019	15,110	43,000	28,000	10	100	0.4	-6	0.332	Stable to Decreasing
MW-49	VC	5/12/2016	9/27/2019	4,900	10,000	8,100	10	100	0.2	-11	0.190	Stable to Decreasing
MW-50	TCE	5/11/2016	9/20/2019	< 1.0	< 6.7	< 1.0	11	0	NA	NA	NA	NA
MW-50	Total DCE	5/11/2016	9/20/2019	5.2	23	5.2	11	100	0.4	NA	NA	Less than screening criteria
MW-50	VC	5/11/2016	9/20/2019	48	200	120	11	100	0.4	20	0.069	Statistically Significant Increasing
MW-52	TCE	5/11/2016	9/28/2019	< 1.0	< 1.0	< 1.0	10	0	NA	NA	NA	NA
MW-52	Total DCE	5/11/2016	9/28/2019	< 1.0	< 1.0	< 1.0	10	0	NA	NA	NA	NA
MW-52	VC	5/11/2016	9/28/2019	3.4	9.1	5.9	10	100	0.3	-17	0.078	Statistically Significant Decreasing
MW-54	TCE	7/27/2017	9/27/2019	< 1.0	< 1.0	< 1.0	8	0	NA	NA	NA	NA
MW-54	Total DCE	7/27/2017	9/27/2019	< 1.0	< 1.0	< 1.0	8	0	NA	NA	NA	NA
MW-54	VC	7/27/2017	6/10/2019	0.34 J	1.2	0.87 J	7	100	0.4	-9	0.119	Stable to Decreasing
MW-64	TCE	4/24/2017	9/27/2019	< 1.0	< 1.0	< 1.0	10	0	NA	NA	NA	NA
MW-64	Total DCE	4/24/2017	9/27/2019	0.23 J	0.37 J	< 1.0	10	70	0.1	NA	NA	Less than screening criteria
MW-64	VC	4/24/2017	9/27/2019	1.3	9.9	9.9	10	100	0.6	1	0.500	Variable
MW-65	TCE	4/25/2017	9/18/2019	< 1.0	< 4.0	< 1.0	10	0	NA	NA	NA	NA
MW-65	Total DCE	4/25/2017	9/18/2019	3.3	7.0	4.1	10	100	0.3	NA	NA	Less than screening criteria
MW-65	VC	4/25/2017	9/18/2019	25	61	25	10	100	0.2	-29	0.005	Statistically Significant Decreasing
MW-66	TCE	4/25/2017	9/19/2019	< 1.0	< 1.0	< 1.0	10	0	NA	NA	NA	NA
MW-66	Total DCE	4/25/2017	9/19/2019	0.19 J	< 1.0	< 1.0	10	10	NA	NA	NA	NA
MW-66	VC	4/25/2017	9/19/2019	1.2	5.6	< 1.0	10	90	0.5	-28	0.007	Statistically Significant Decreasing
MW-68	TCE	4/24/2017	9/25/2019	0.26 J	< 1.0	< 1.0	10	10	NA	NA	NA	NA
MW-68	Total DCE	4/24/2017	9/25/2019	11	36	36	10	100	0.4	NA	NA	Less than screening criteria
MW-68	VC	4/24/2017	9/25/2019	2.1	19	6.8	10	100	0.9	6	0.332	Variable
MW-69	TCE	4/25/2017	9/23/2019	< 1.0	< 1.0	< 1.0	9	0	NA	NA	NA	NA
MW-69	Total DCE	4/25/2017	9/23/2019	0.19 J	< 1.0	0.22 J	9	33	NA	NA	NA	NA
MW-69	VC	4/25/2017	9/23/2019	< 1.0	4.1	3.5	9	78	0.3	15	0.075	Statistically Significant Increasing
MW-71	TCE	4/24/2017	9/27/2019	< 1.0	< 1.0	< 1.0	10	0	NA	NA	NA	NA
MW-71	Total DCE	4/24/2017	9/27/2019	0.30 J	0.42 J	0.41 J	10	80	0.1	NA	NA	Less than screening criteria
MW-71	VC	4/24/2017	9/27/2019	0.31 J	0.83 J	0.41 J	10	80	0.3	NA	NA	Less than screening criteria
MW-72	TCE	5/22/2017	9/23/2019	< 1.0	< 1.0	< 1.0	10	0	NA	NA	NA	NA
MW-72	Total DCE	7/26/2017	9/23/2019	< 1.0	< 1.0	< 1.0	10	0	NA	NA	NA	NA
MW-72	VC	5/22/2017	9/23/2019	1.1	3.9	1.5	10	100	0.5	-16	0.093	Statistically Significant Decreasing
MW-73D	TCE	5/22/2017	9/24/2019	< 1.0	< 1.0	< 1.0	10	0	NA	NA	NA	NA
MW-73D	Total DCE	7/26/2017	9/24/2019	0.19 J	0.56 J	< 1.0	9	67	0.3	NA	NA	Less than screening criteria
MW-73D	VC	5/22/2017	9/24/2019	0.48 J	1.3	0.48 J	10	80	0.3	NA	NA	Less than screening criteria
MW-73S	TCE	5/22/2017	9/24/2019	0.23 J	0.51 J	0.34 J	11	91	0.2	NA	NA	Less than screening criteria
MW-73S	Total DCE	7/26/2017	9/24/2019	1.3	3.4	3.4	10	100	0.3	NA	NA	Less than screening criteria
MW-73S	VC	5/22/2017	9/24/2019	0.62 J	1.9	1.3	11	91	0.3	-14	0.155	Stable to Decreasing
MW-74	TCE	5/23/2017	9/18/2019	< 1.0	< 1.0	< 1.0	10	0	NA	NA	NA	NA
MW-74	Total DCE	7/26/2017	9/18/2019	0.41 J	1.3	0.62 J	9	78	0.5	NA	NA	Less than screening criteria
MW-74	VC	5/23/2017	9/18/2019	0.70 J	2.8	1.7	10	80	0.4	-8	0.271	Stable to Decreasing
MW-75D	TCE	5/23/2017	9/18/2019	< 1.0	< 1.0	< 1.0	10	0	NA	NA	NA	NA
MW-75D	Total DCE	7/26/2017	9/18/2019	< 1.0	< 1.0	< 1.0	9	0	NA	NA	NA	NA
MW-75D	VC	5/23/2017	9/18/2019	1.6	6.4	1.6	10	100	0.6	-37	< 0.01	Statistically Significant Decreasing
MW-79D	TCE	5/24/2017	9/19/2019	< 1.0	< 1.0	< 1.0	10	0	NA	NA	NA	NA
MW-79D	Total DCE	7/25/2017	9/19/2019	< 1.0	< 1.0	< 1.0	9	0	NA	NA	NA	NA
MW-79D	VC	5/24/2017	9/19/2019	1.3	4.1	1.5	10	100	0.4	-25	0.014	Statistically Significant Decreasing
MW-80S	TCE	5/24/2017	9/23/2019	< 1.0	< 1.0	< 1.0	11	0	NA	NA	NA	NA
MW-80S	Total DCE	7/25/2017	9/23/2019	0.18 J	< 1.0	< 1.0	10	10	NA	NA	NA	NA
MW-80S	VC	5/24/2017	9/23/2019	1.4	7.6	3.4	11	100	0.5	-23	0.043	Statistically Significant Decreasing
MW-85	TCE	5/25/2017	9/17/2019	< 1.0	< 1.0	< 1.0	10	0	NA	NA	NA	NA
MW-85	Total DCE	7/25/2017	9/17/2019	< 1.0	< 1.0	< 1.0	9	0	NA	NA	NA	NA
MW-85	VC	5/25/2017	9/17/2019	5.4	8.6	6.5	10	100	0.2	-25	0.014	Statistically Significant Decreasing
TW-16-02	TCE	4/25/2017	9/24/2019	< 20	< 1,000	< 20	10	0	NA	NA	NA	NA
TW-16-02	Total DCE	4/25/2017	9/24/2019	170	7,830	170	10	100	0.5	-5	0.364	Variable
TW-16-02	VC	4/25/2017	9/24/2019	420	15,000	420	10	100	0.6	-32	< 0.01	Statistically Significant Decreasing
TW-16-04	TCE	4/25/2017	9/27/2019	< 1.0	< 6.7	< 2.5	10	0	NA	NA	NA	NA
TW-16-04	Total DCE	4/25/2017	9/27/2019	13	25	13	10	100	0.2	NA	NA	Less than screening criteria
TW-16-04	VC	4/25/2017	9/27/2019	49	150	49	10	100	0.4	-36	< 0.01	Statistically Significant Decreasing

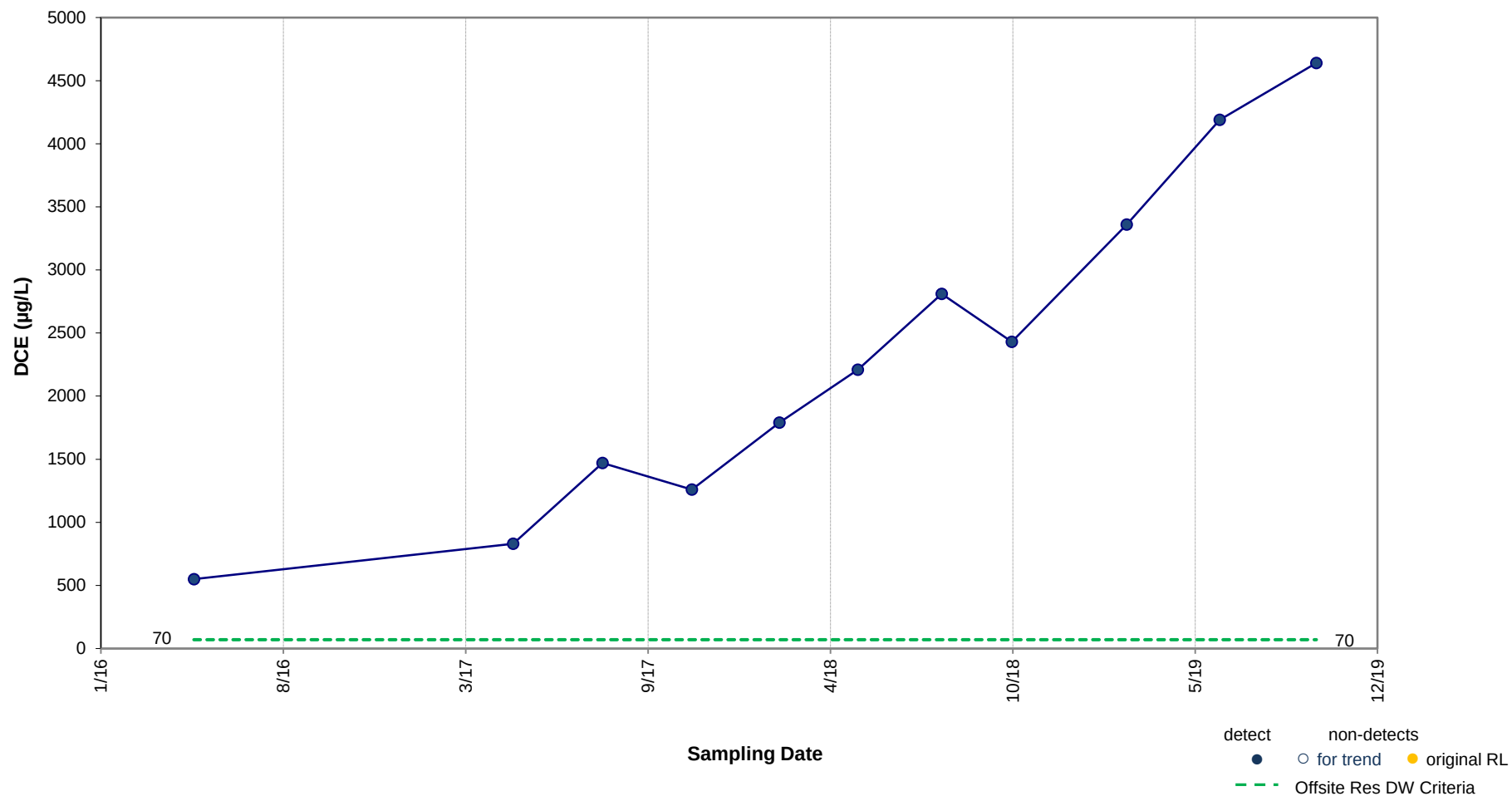
Notes:
All concentrations are micrograms per liter
TCE = trichloroethene
Total DCE = sum of cis-1,2-DCE, trans-1,2-DCE, and 1,1-DCE. Non-detect concentrations taken as zero.
VC = vinyl chloride
< = less than the posted reporting limit
n = number of samples included in analysis
% = percent
CV = coefficient of variation; low values indicate stable concentrations. Values near or greater than 1 suggest variability and/or a temporal trend.
NA = not applicable due to elevated proportion of non-detect concentrations
-- = Trend analysis not conducted because each detected concentration is below the applicable screening level.
S-Statistic: positive values suggest increasing trend, negative values suggest decreasing trend, values near zero indicate stability or variability.
p-value: values less than 0.1 indicate a statistically significant trend at 90% confidence.

CITY: Novi DIV: ENV DB: MG PIC: R. ELLIS PM: K. HINSKEY PROJECT NUMBER: M001322.0001 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet
\\corpstorage\Data\ArcGISData\GISProjects\ENVI\Novi\Brighton_MLFordLivonia\GIS\docs\2018-10\MK_Trends_20181022.mxd PLOTTED: 10/22/2018 11:50:54 AM BY: dolexa









Results of Mann-Kendall Test for Trend:

INCREASING TREND

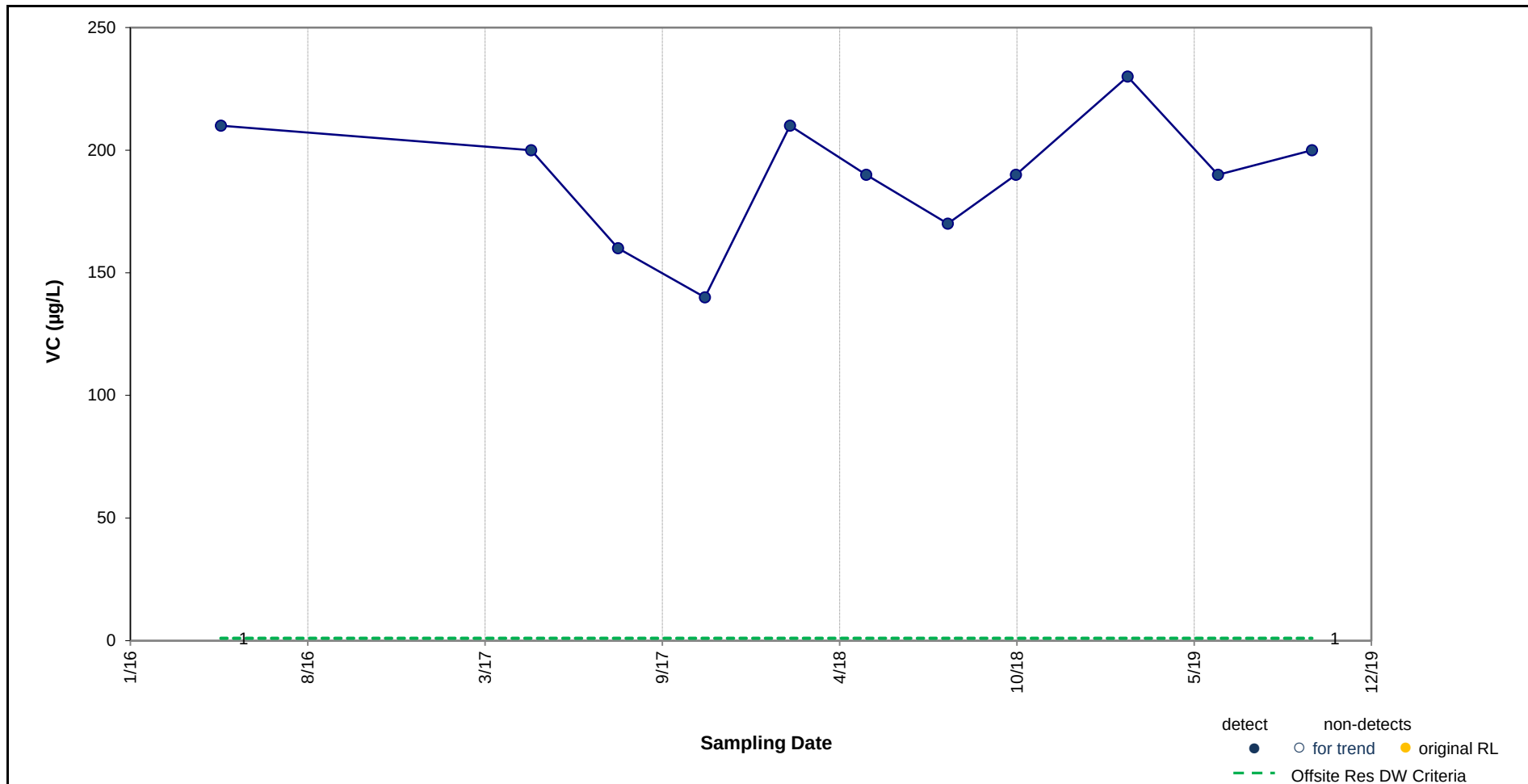
p value = <0.001

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – DCE in MW-2
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 4



Results of Mann-Kendall Test for Trend:

No Significant Trend

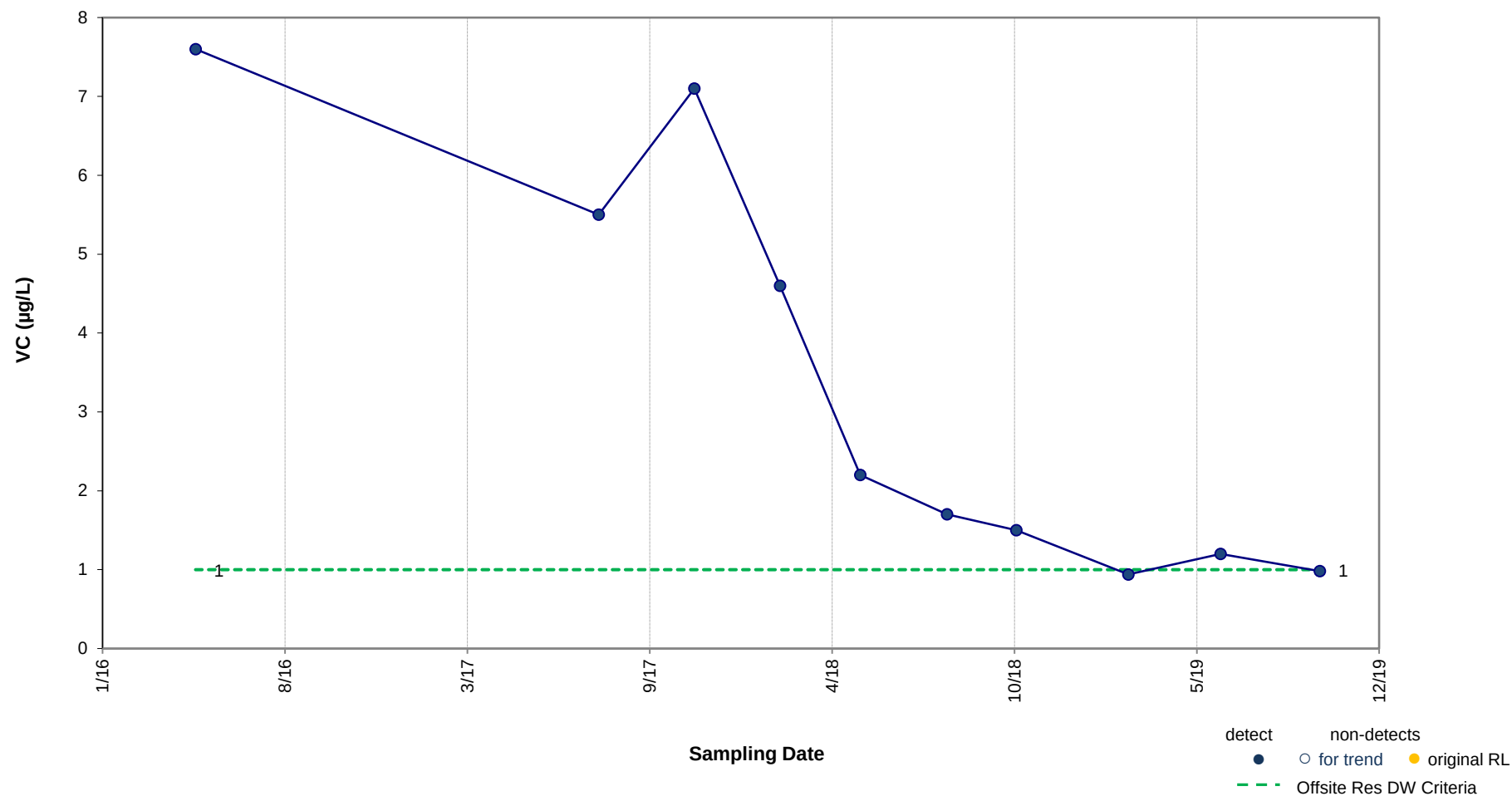
p value = 0.406

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-2
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 5



Results of Mann-Kendall Test for Trend:

DECREASING TREND

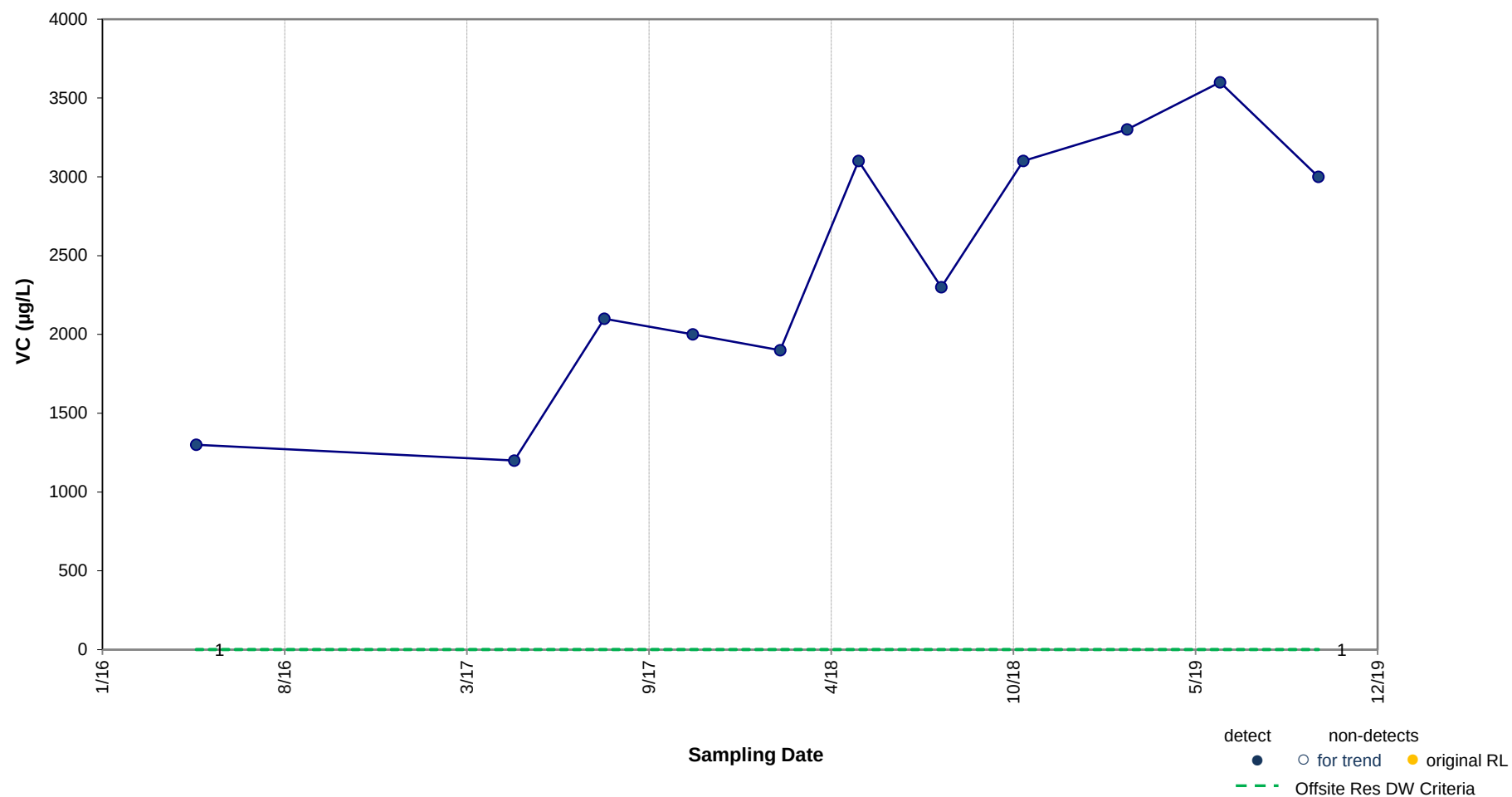
p value = <0.001

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-9
 Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 6



Results of Mann-Kendall Test for Trend:

INCREASING TREND

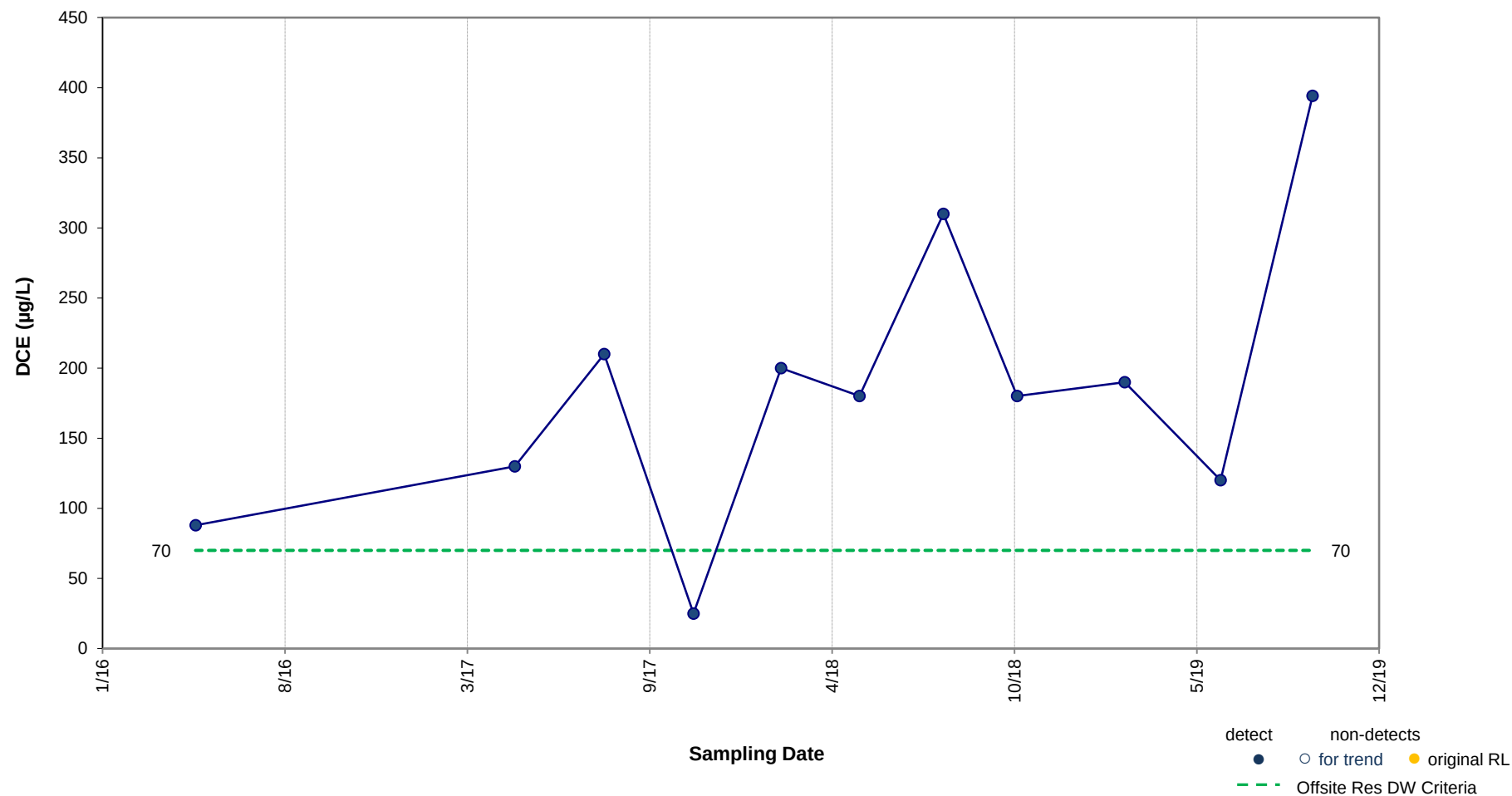
p value = 0.003

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-10
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 7



Results of Mann-Kendall Test for Trend:

No Significant Trend

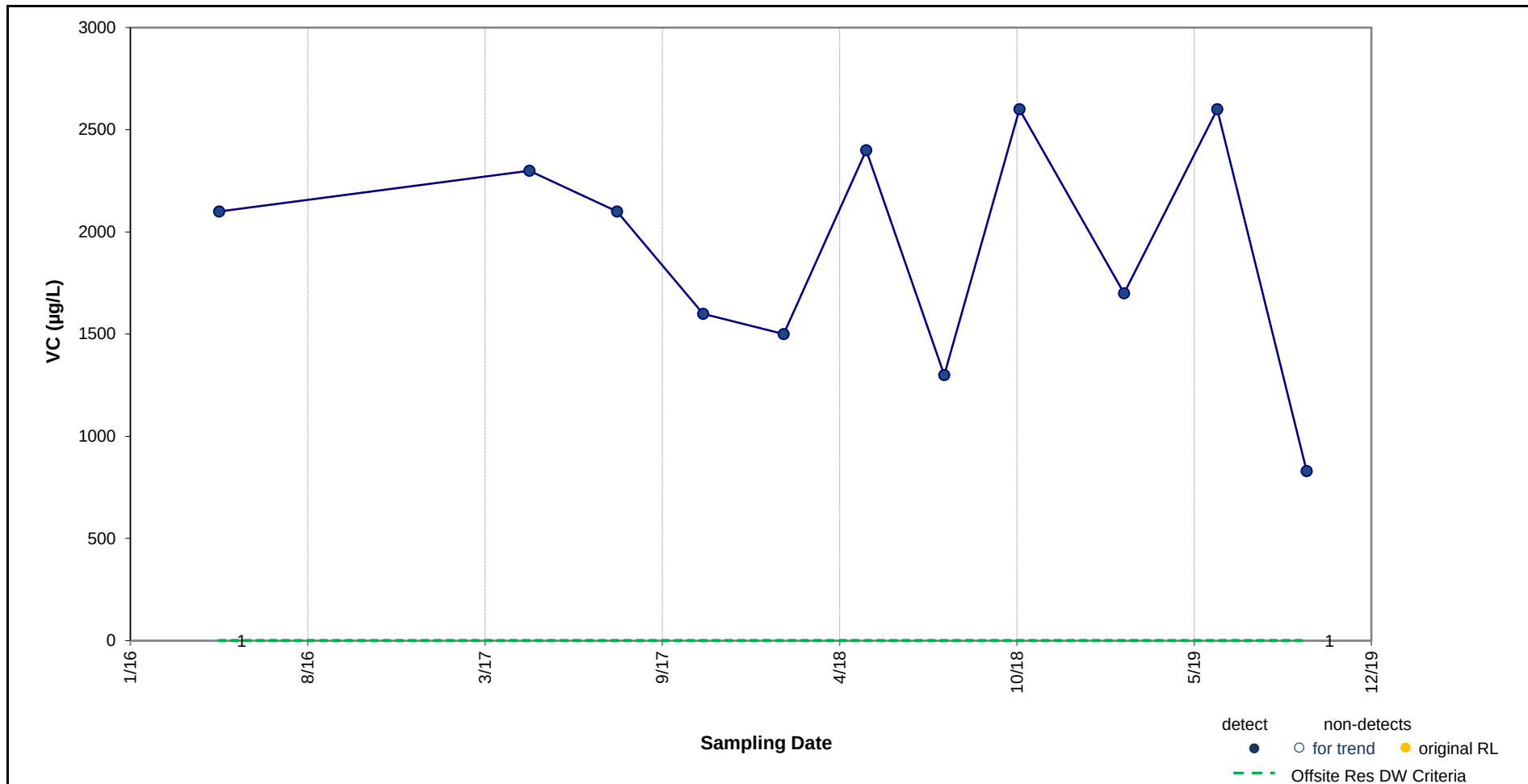
p value = 0.121

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – DCE in MW-22
 Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 8



Results of Mann-Kendall Test for Trend:

No Significant Trend

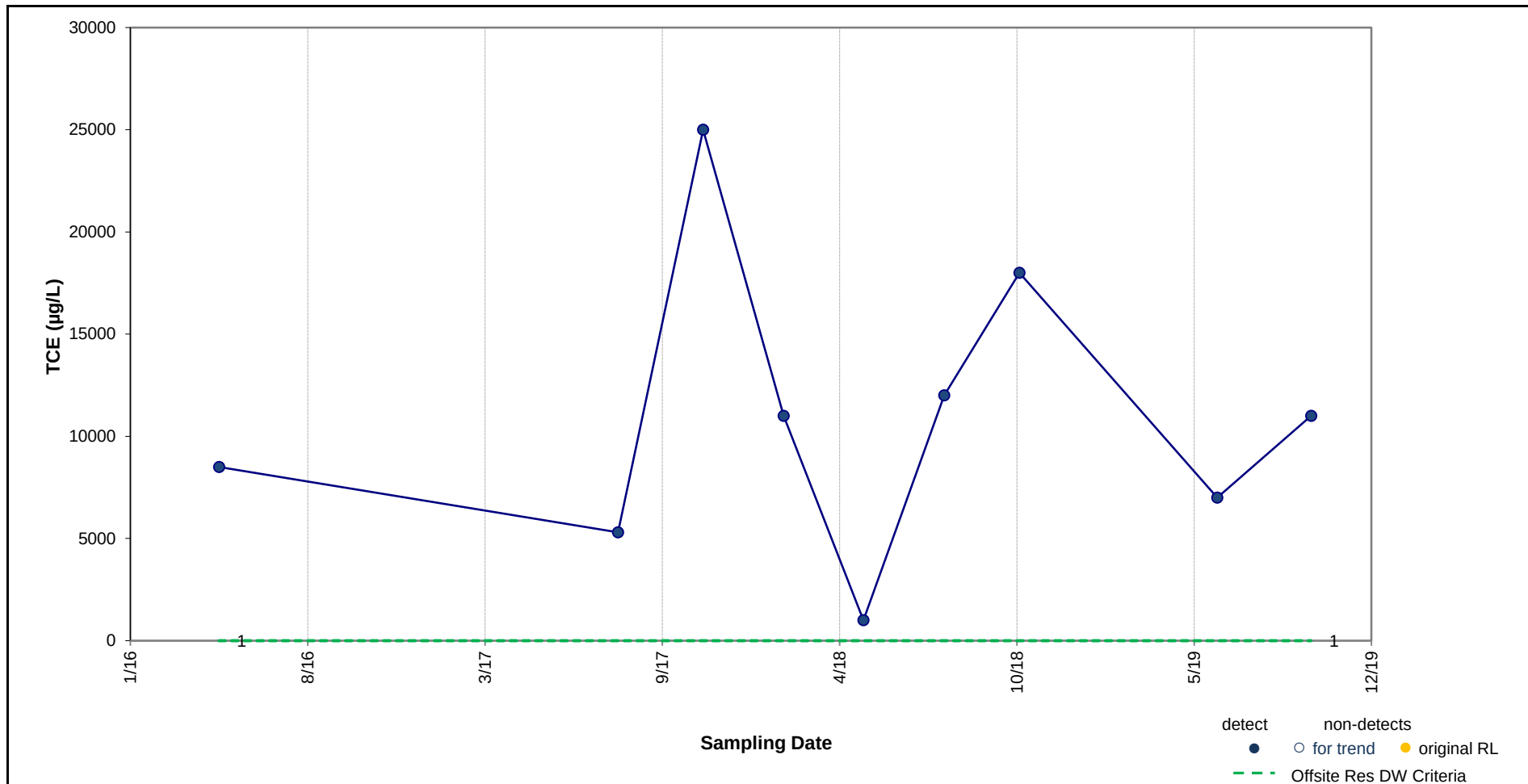
p value = 0.377

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-22
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 9



Results of Mann-Kendall Test for Trend:

No Significant Trend

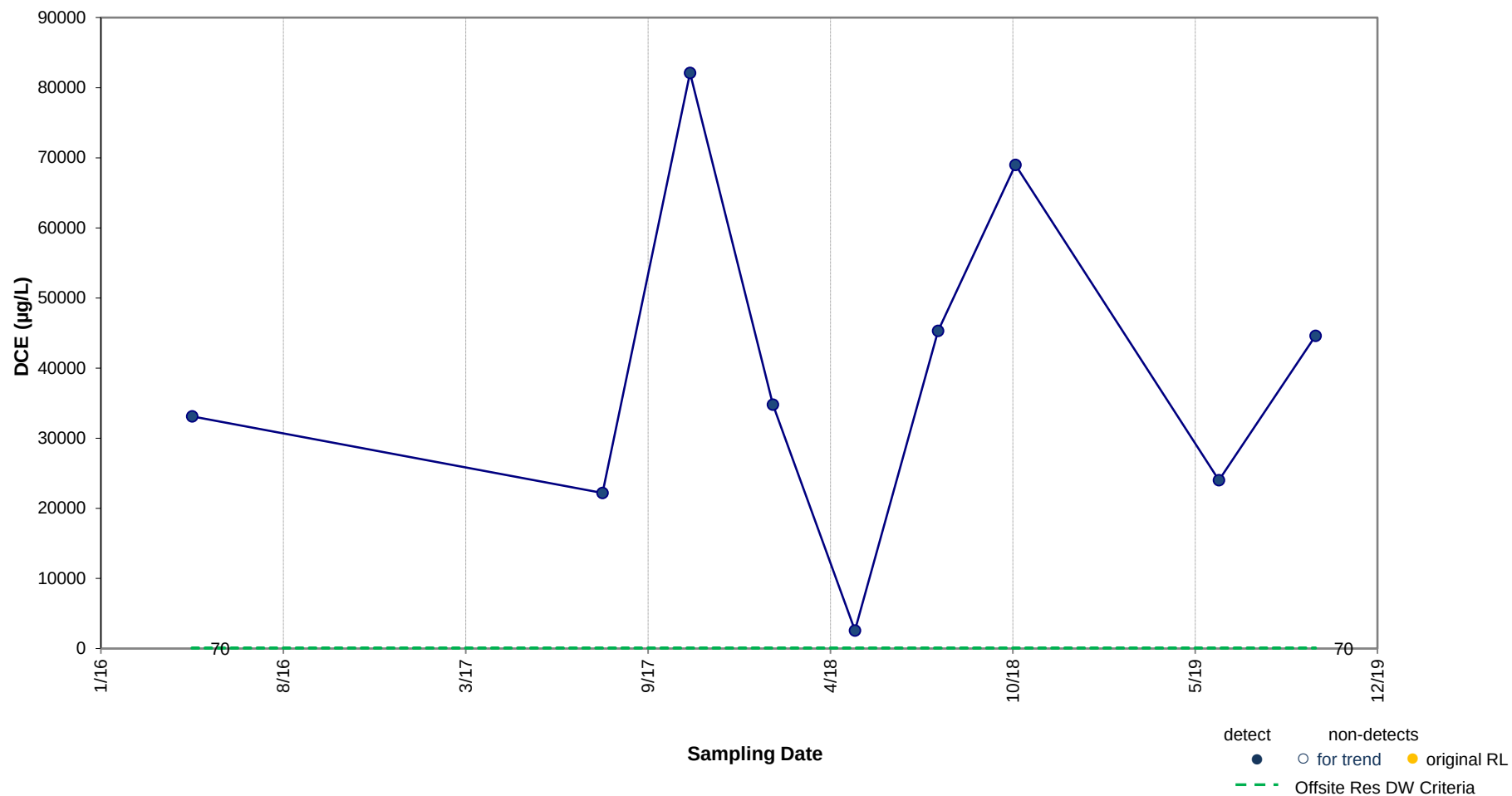
p value = 0.421

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – TCE in MW-23
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 10



Results of Mann-Kendall Test for Trend:

No Significant Trend

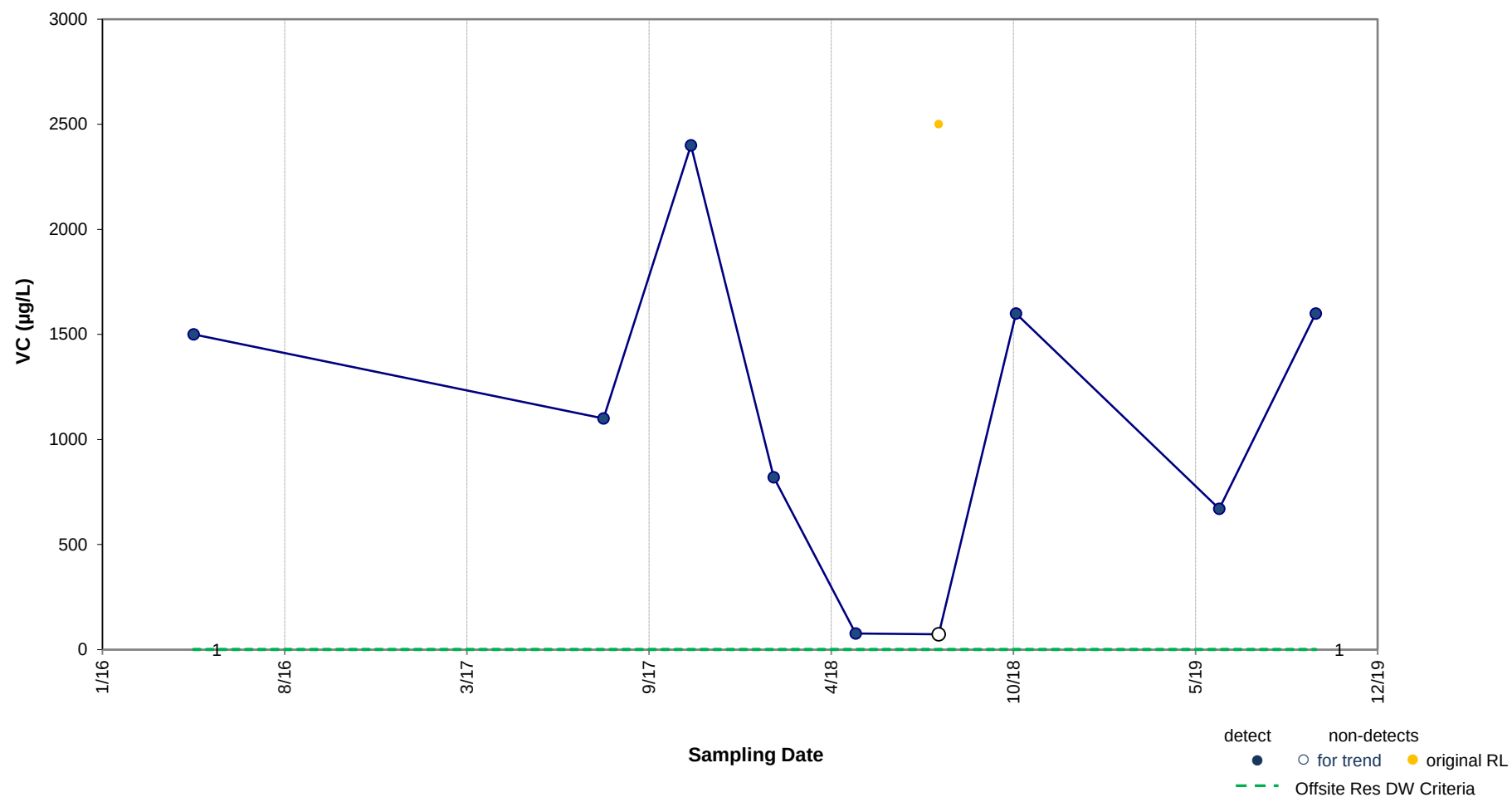
p value = 0.381

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – DCE in MW-23
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 11



Results of Mann-Kendall Test for Trend:

No Significant Trend

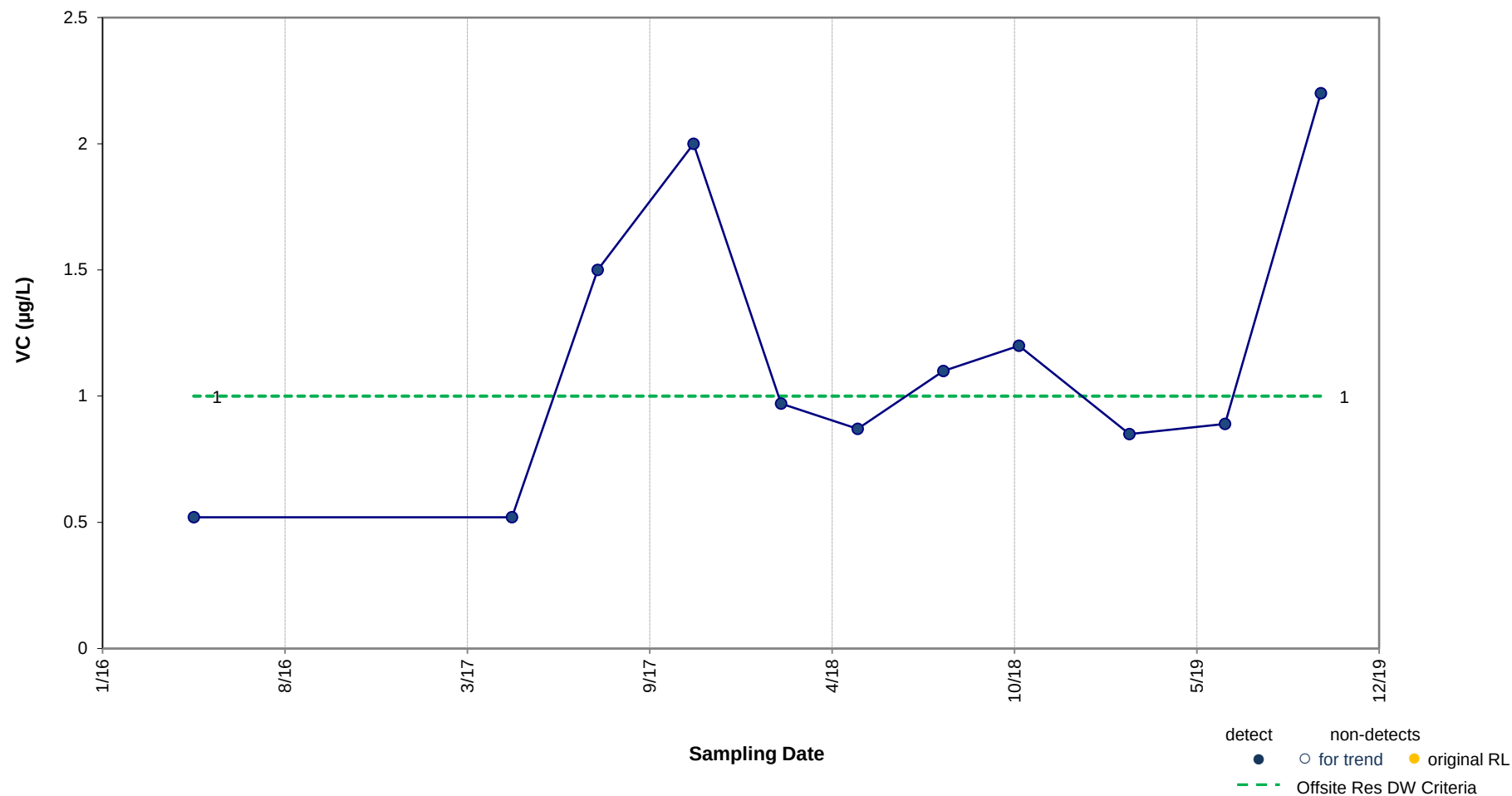
p value = 0.344

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-23
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 12



Results of Mann-Kendall Test for Trend:

No Significant Trend

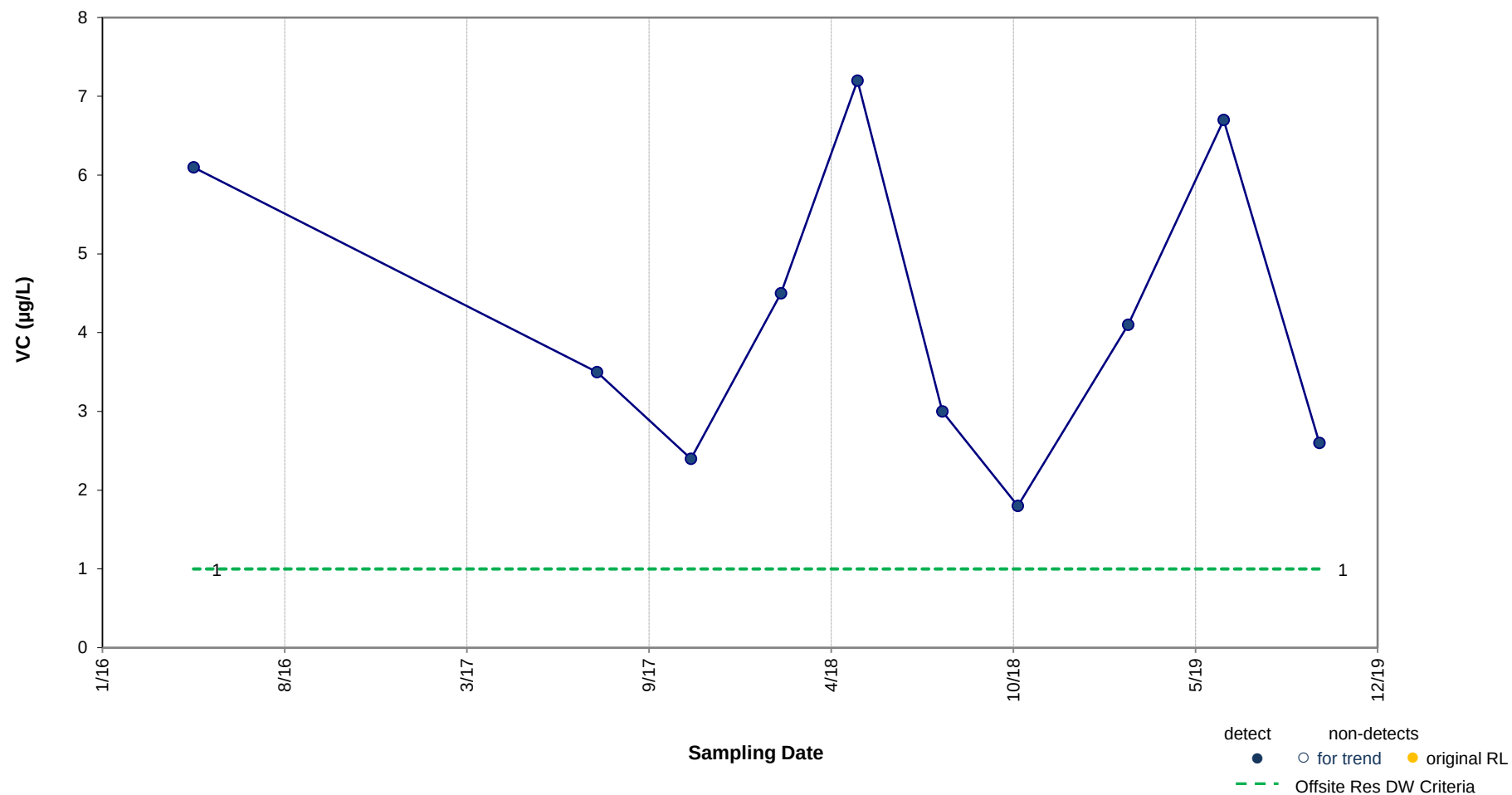
p value = 0.155

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-34
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 13



Results of Mann-Kendall Test for Trend:

No Significant Trend

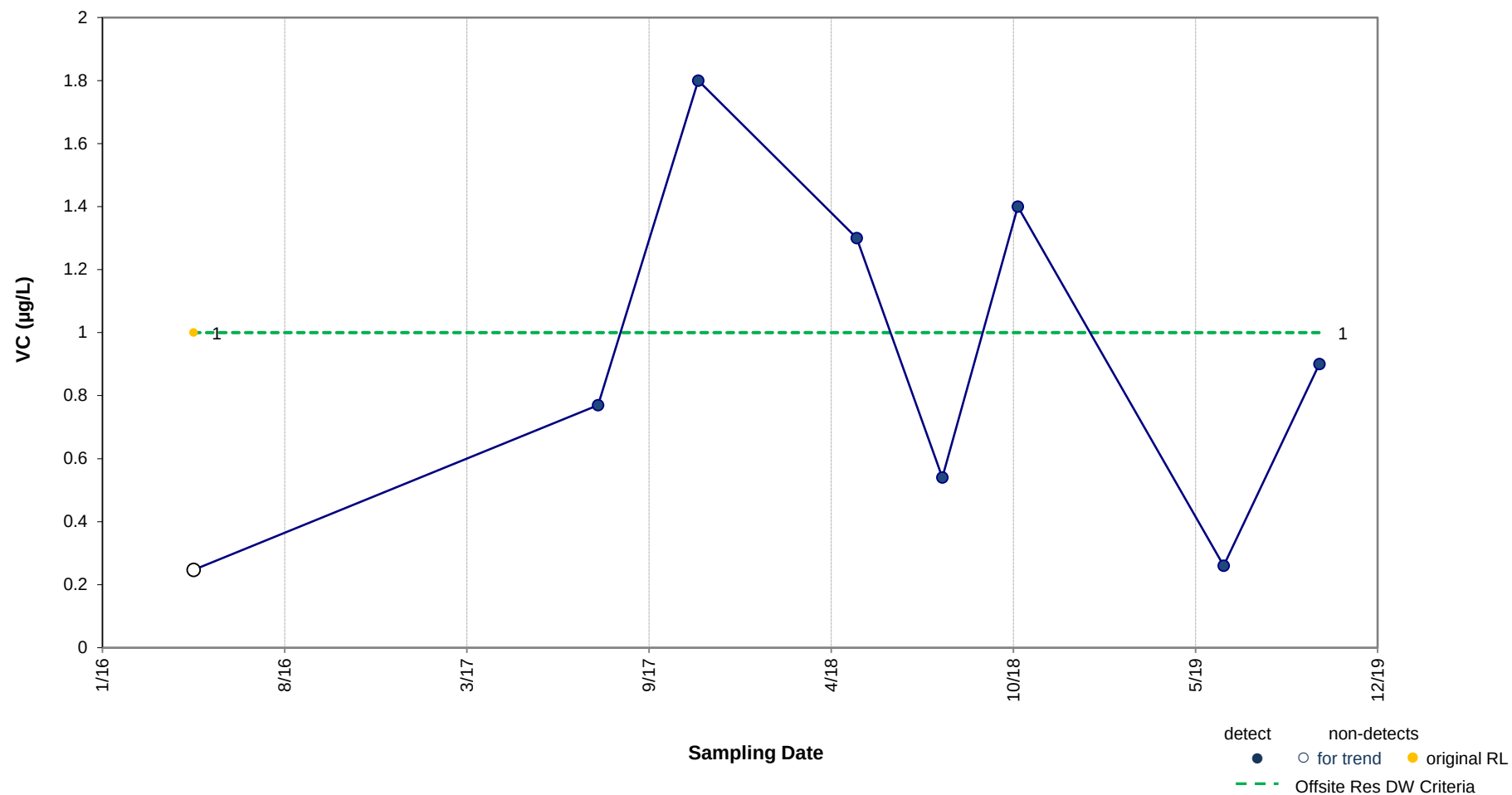
p value = 0.364

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-35
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 14



Results of Mann-Kendall Test for Trend:

No Significant Trend

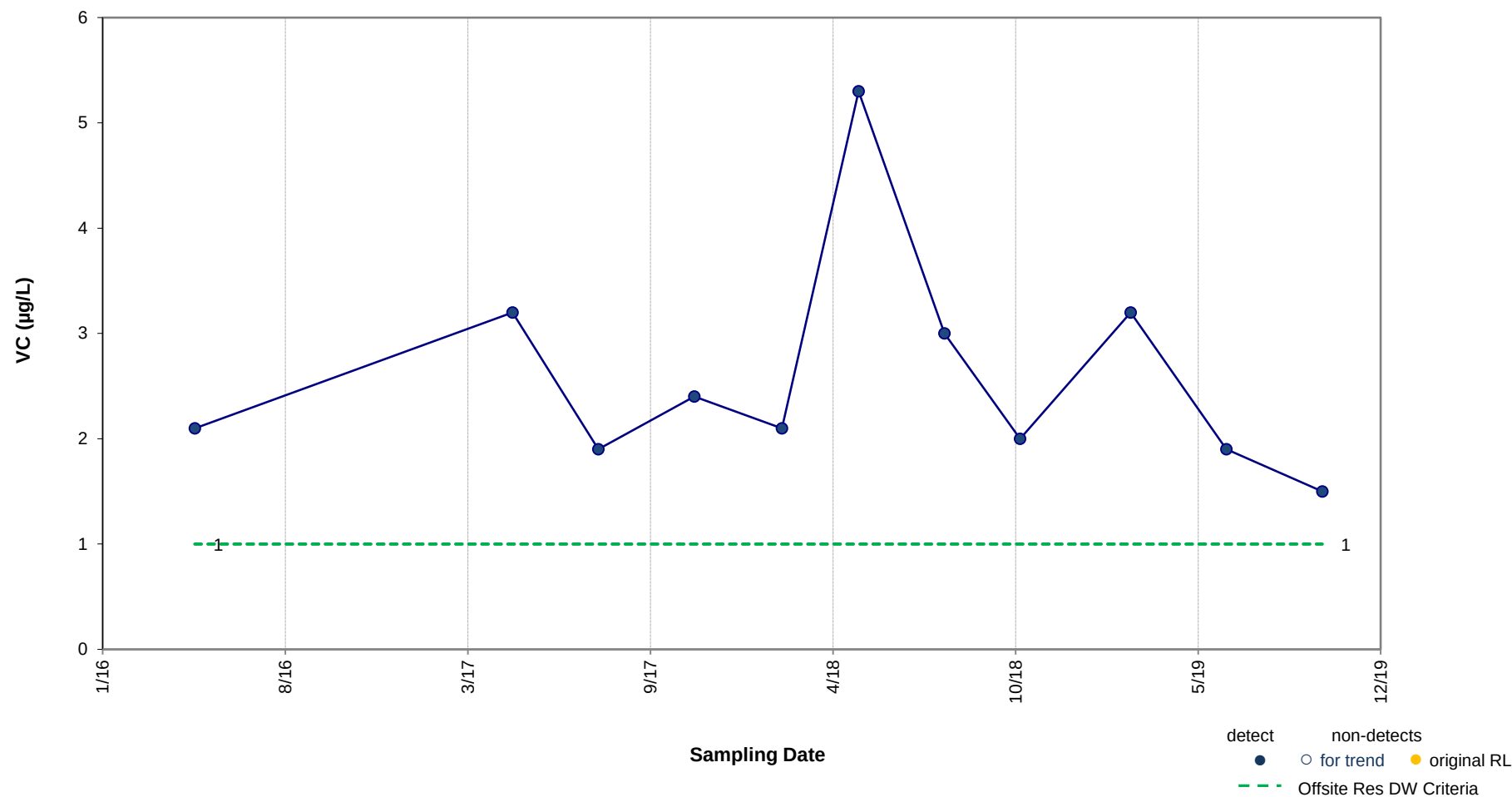
p value = 0.452

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-40
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 15



Results of Mann-Kendall Test for Trend:

No Significant Trend

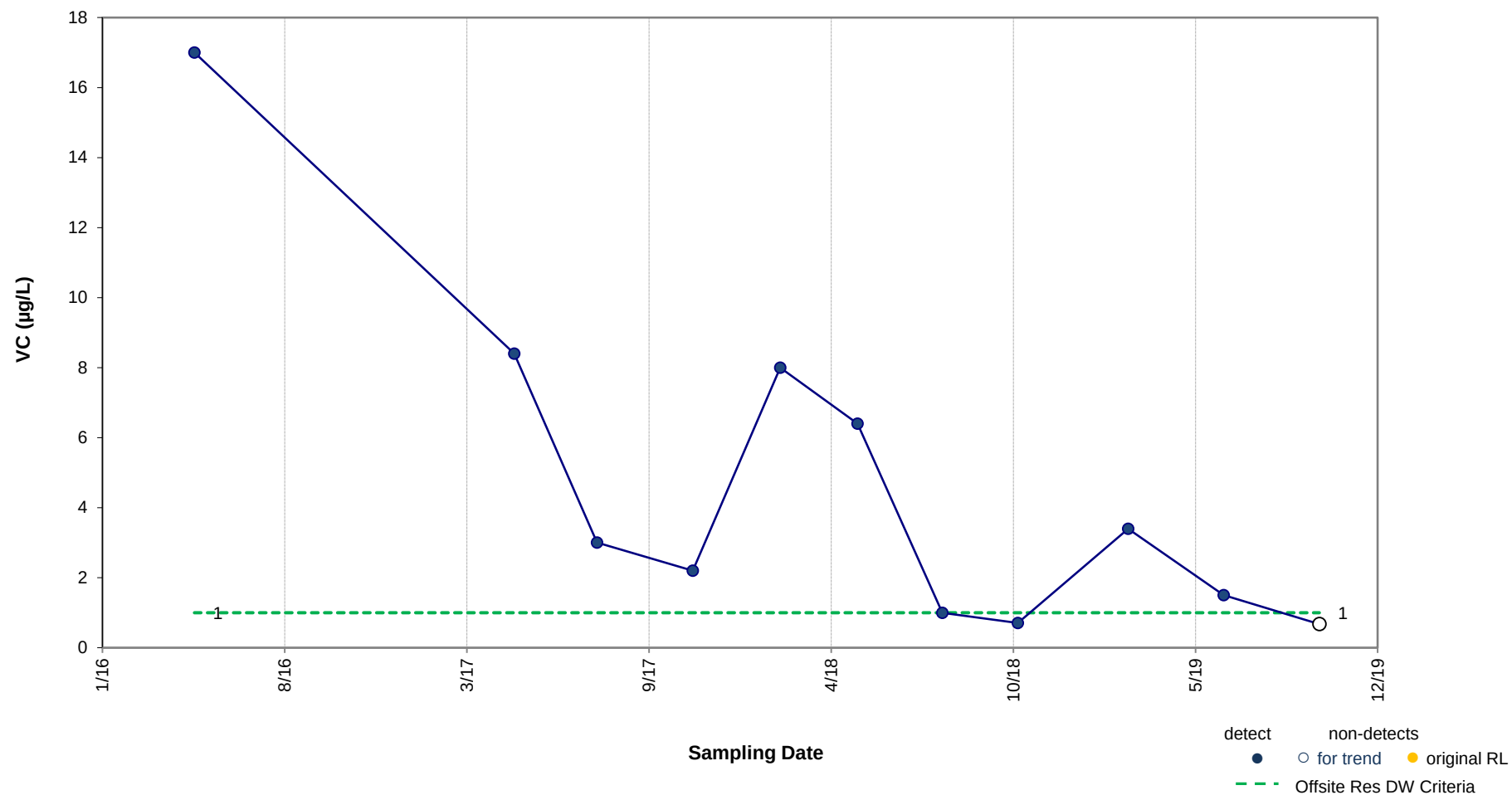
p value = 0.194

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-41
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 16

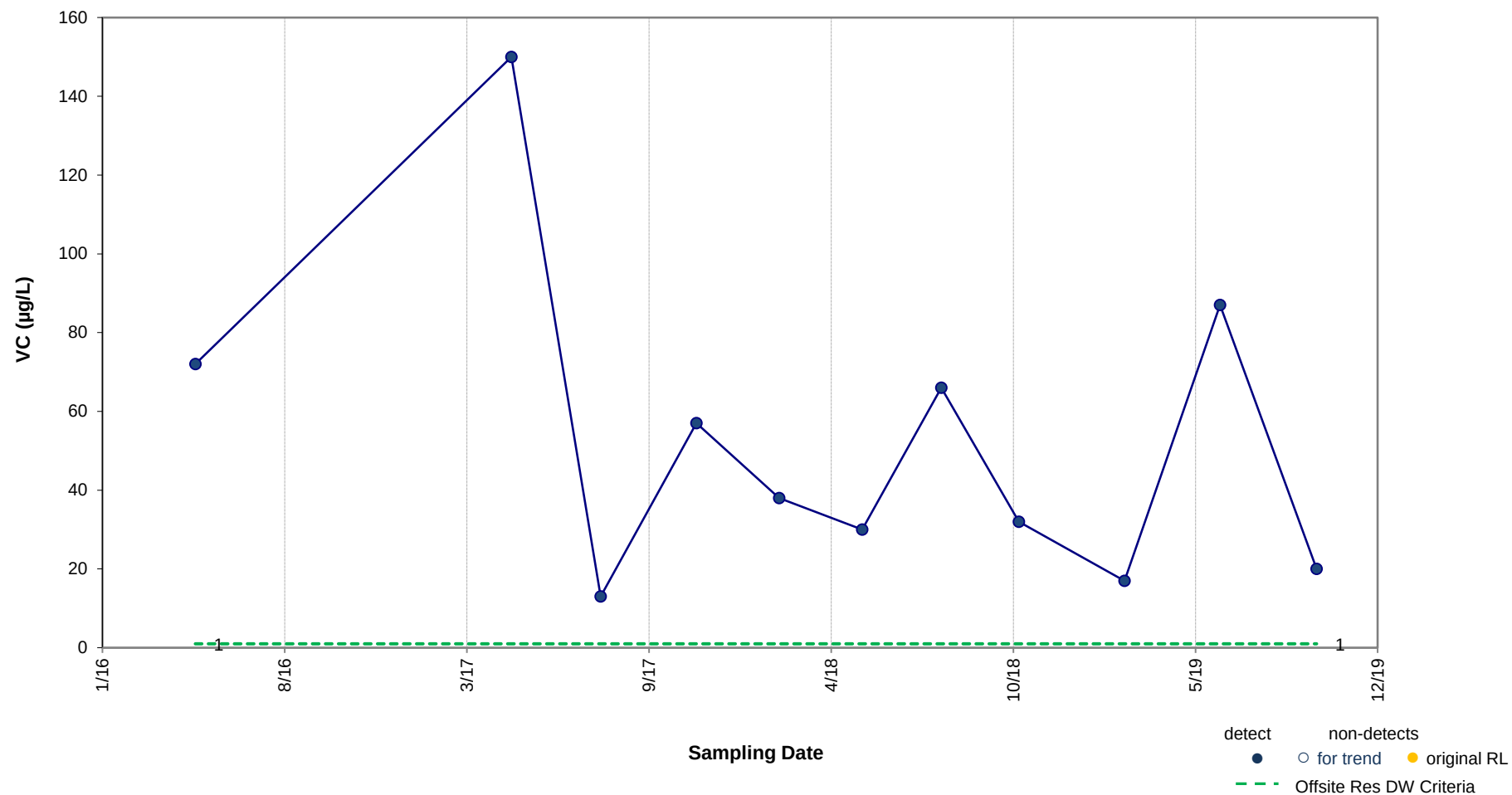


Results of Mann-Kendall Test for Trend:

DECREASING TREND

p value = 0.004

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



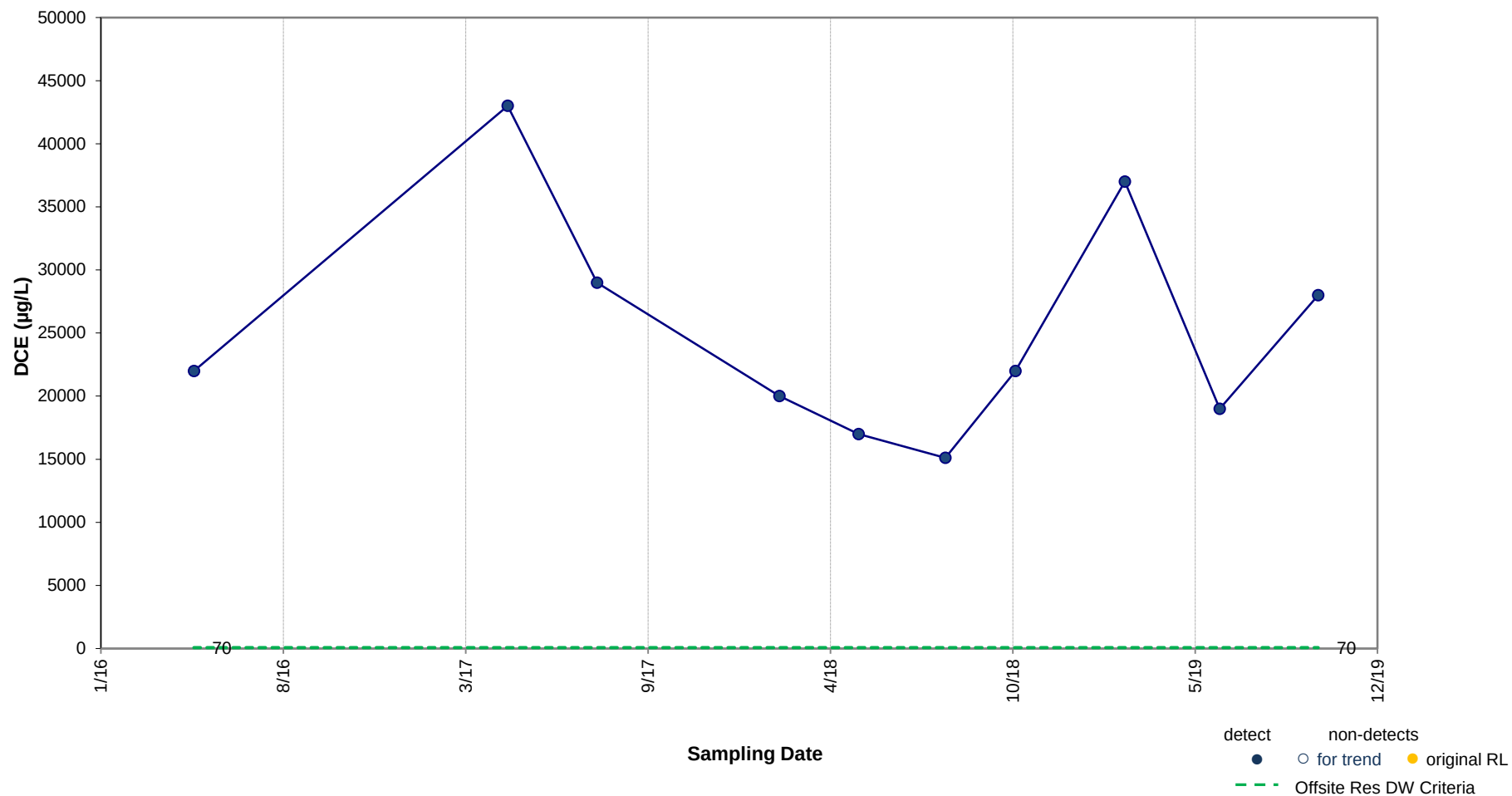
Results of Mann-Kendall Test for Trend:

No Significant Trend

p value =

0.175

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Results of Mann-Kendall Test for Trend:

No Significant Trend

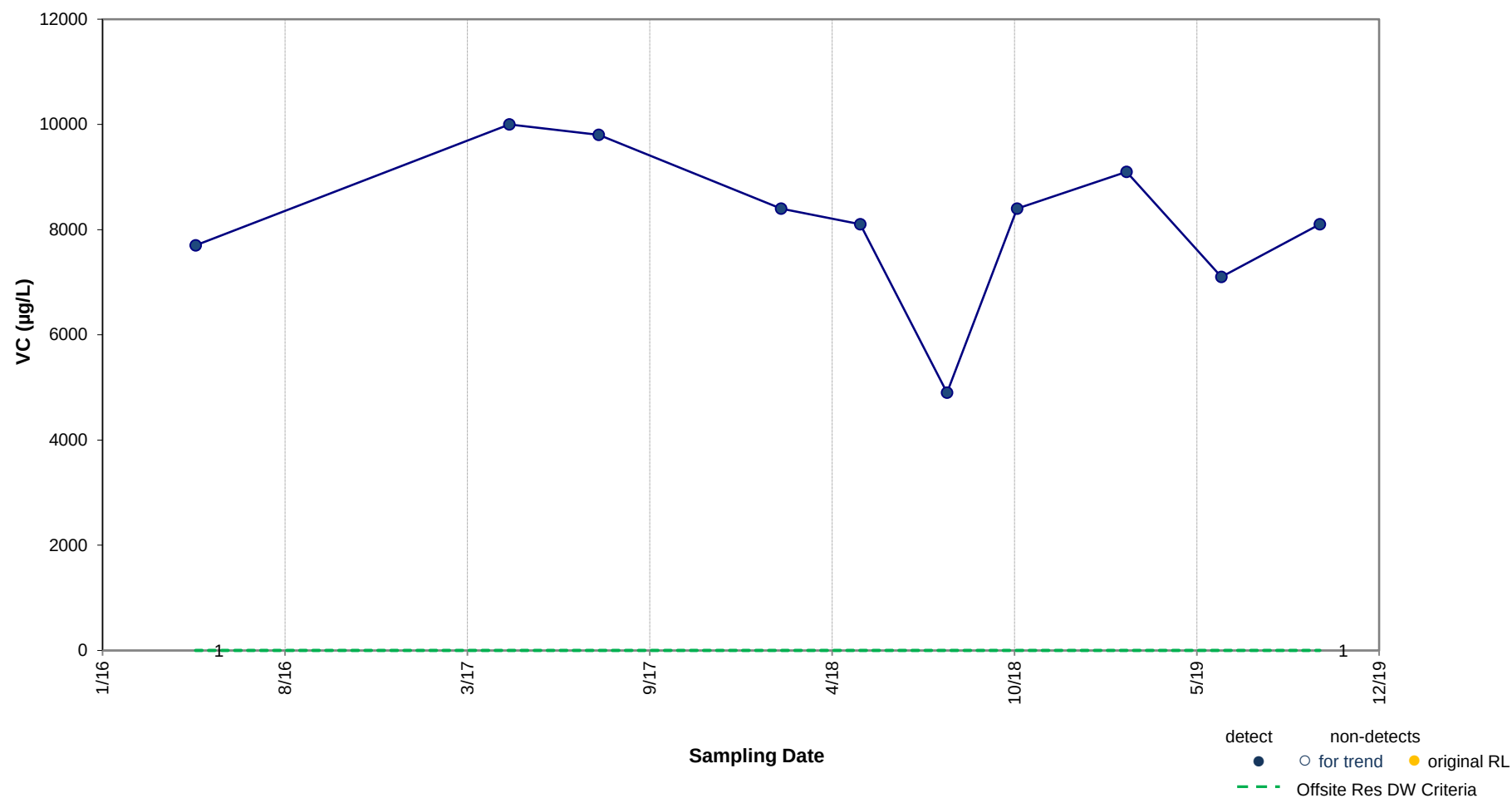
p value = 0.332

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – DCE in MW-49
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 19



Results of Mann-Kendall Test for Trend:

No Significant Trend

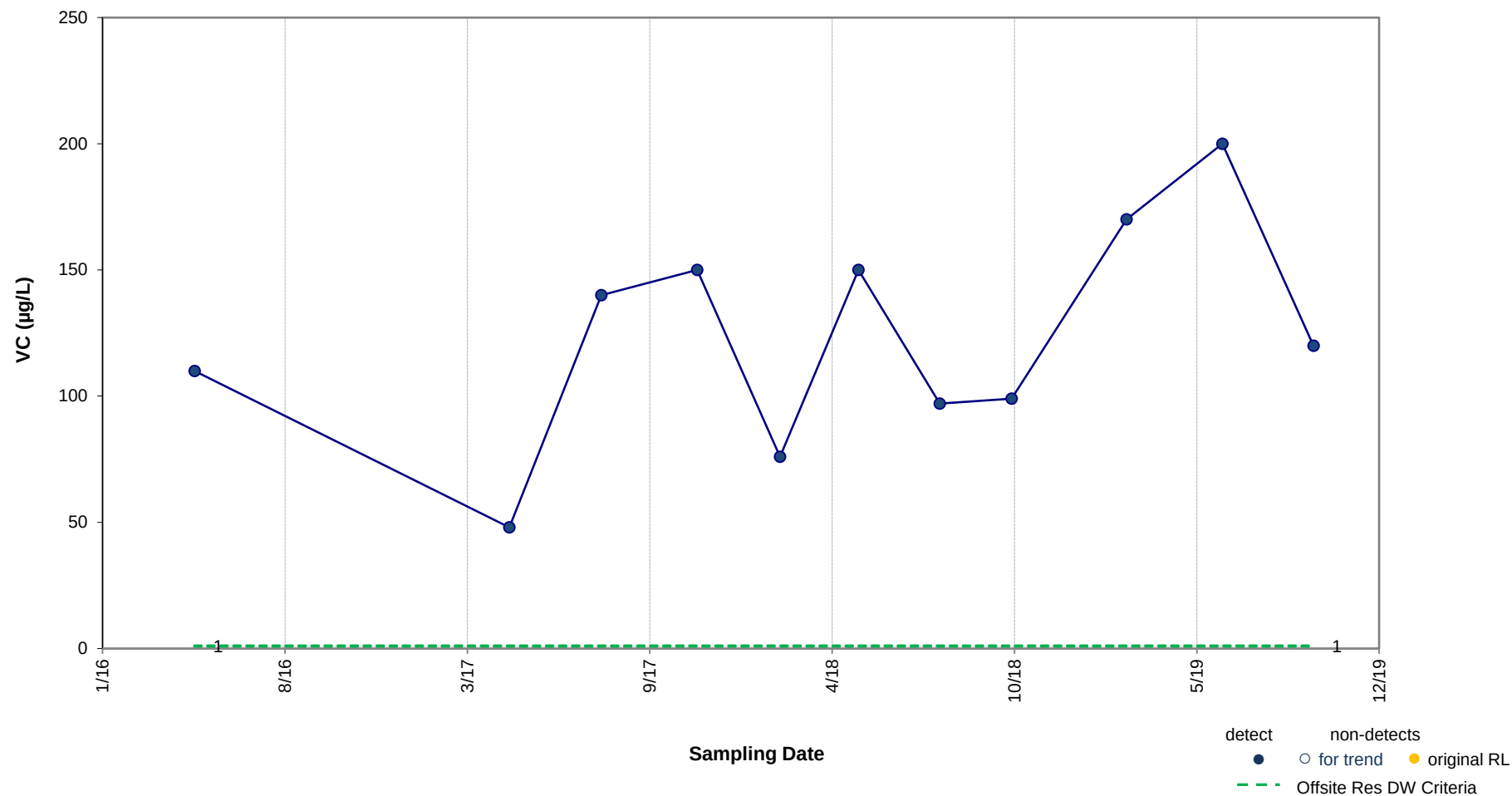
p value = 0.190

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-49
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 20



Results of Mann-Kendall Test for Trend:

INCREASING TREND

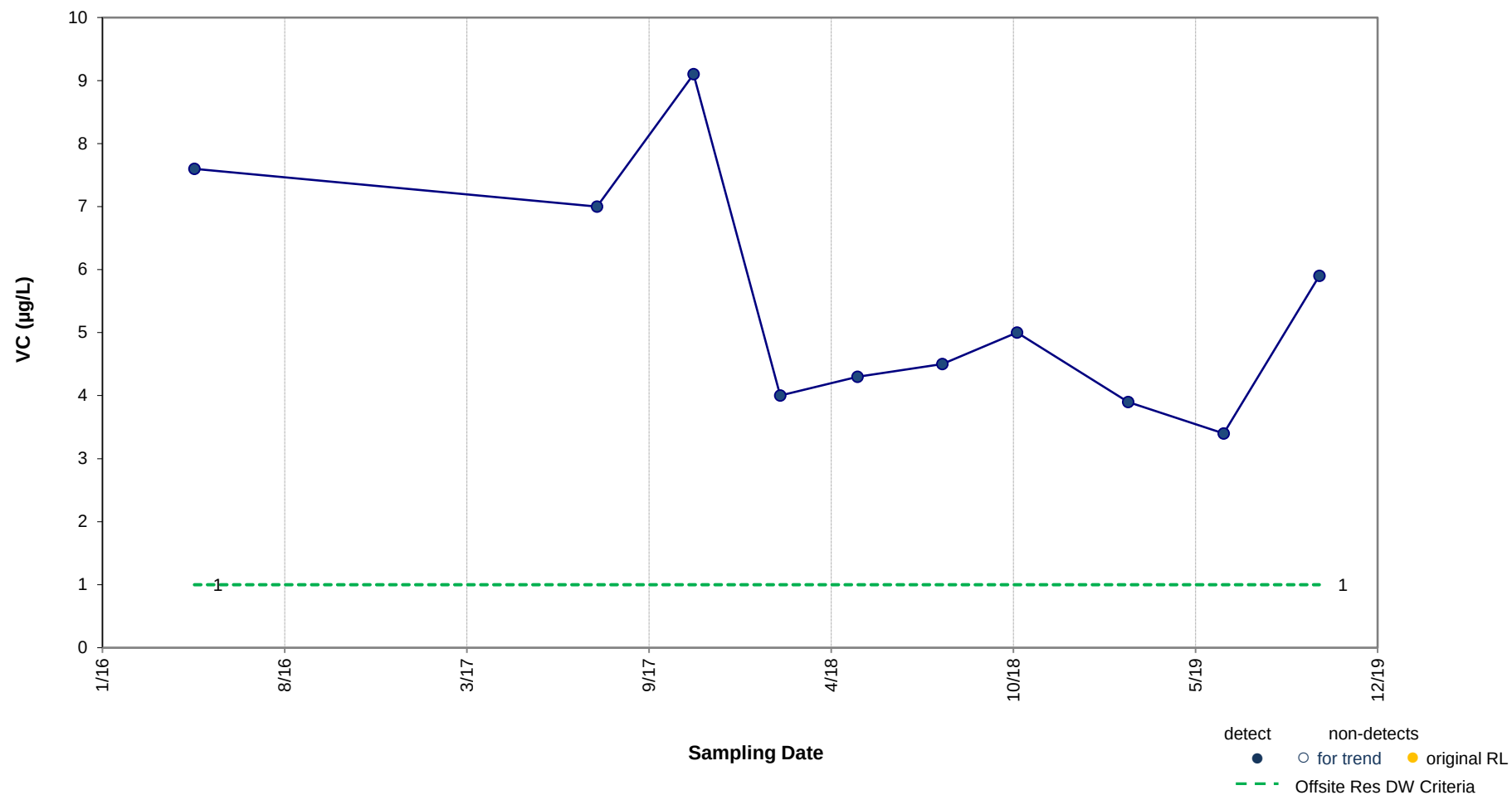
p value = 0.069

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-50
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 21



Results of Mann-Kendall Test for Trend:

DECREASING TREND

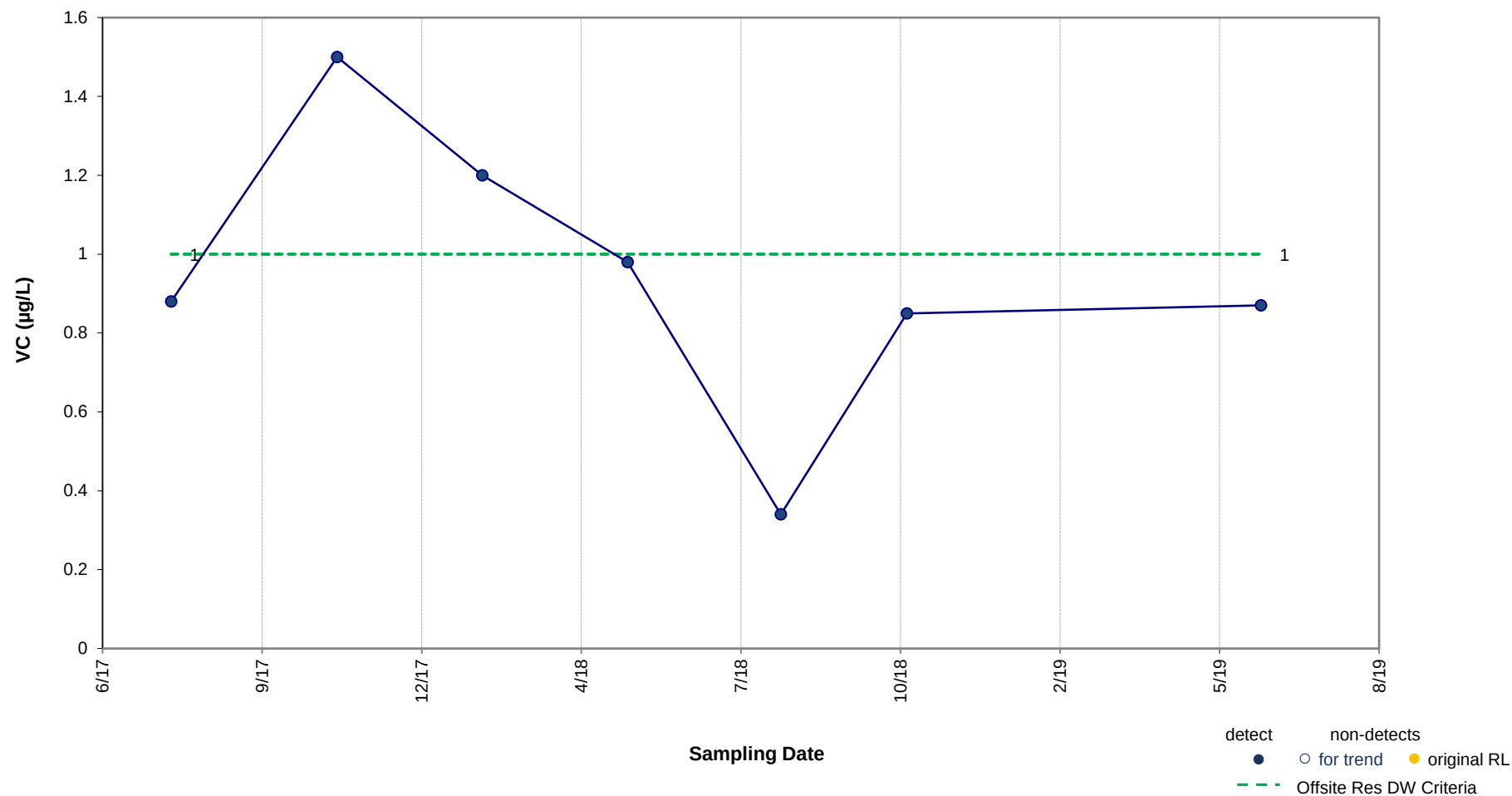
p value = 0.078

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-52
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 22



Results of Mann-Kendall Test for Trend:

No Significant Trend

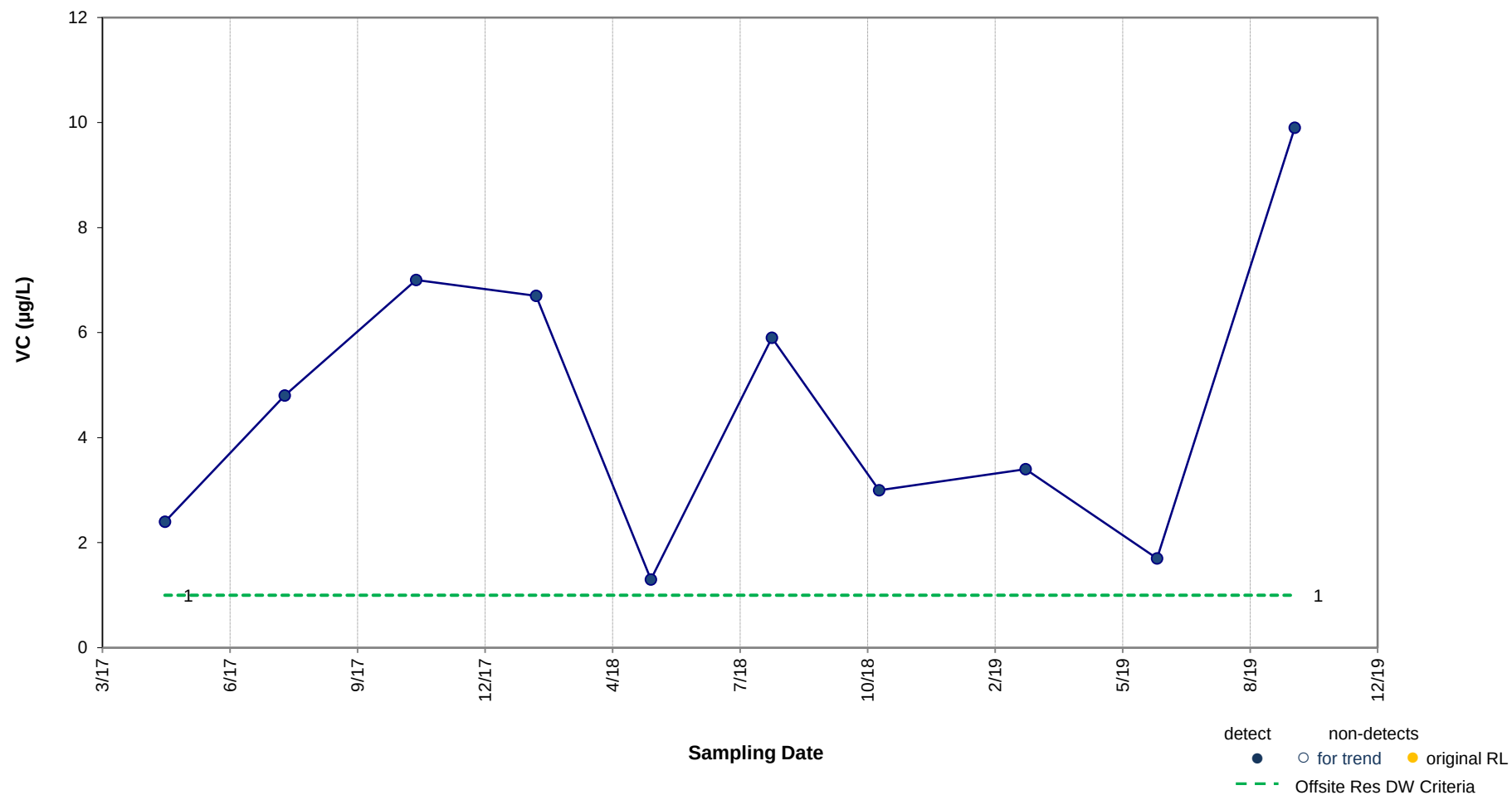
p value = 0.119

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-54
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 23



Results of Mann-Kendall Test for Trend:

No Significant Trend

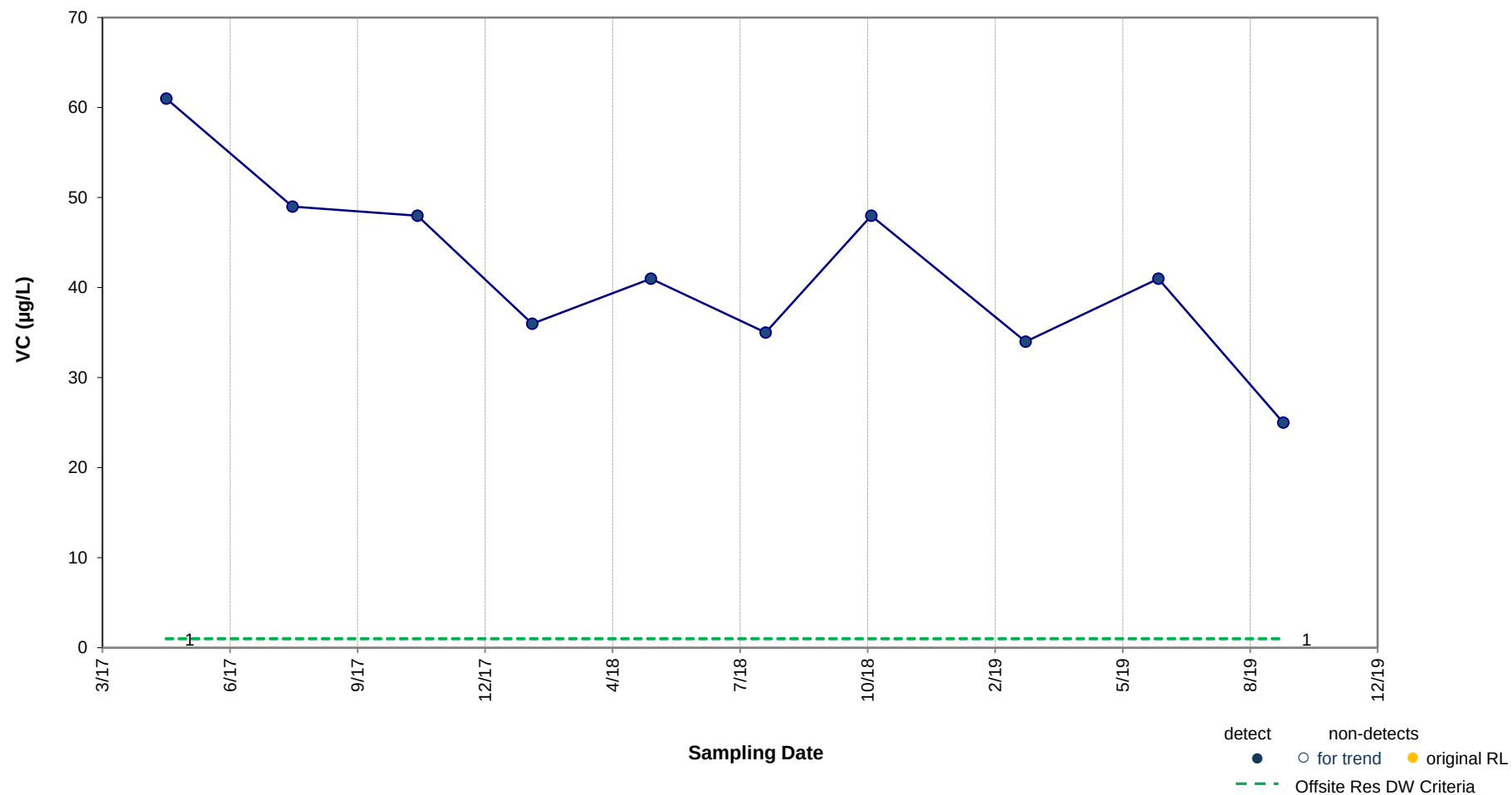
p value = 0.500

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-64
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 24



Results of Mann-Kendall Test for Trend:

DECREASING TREND

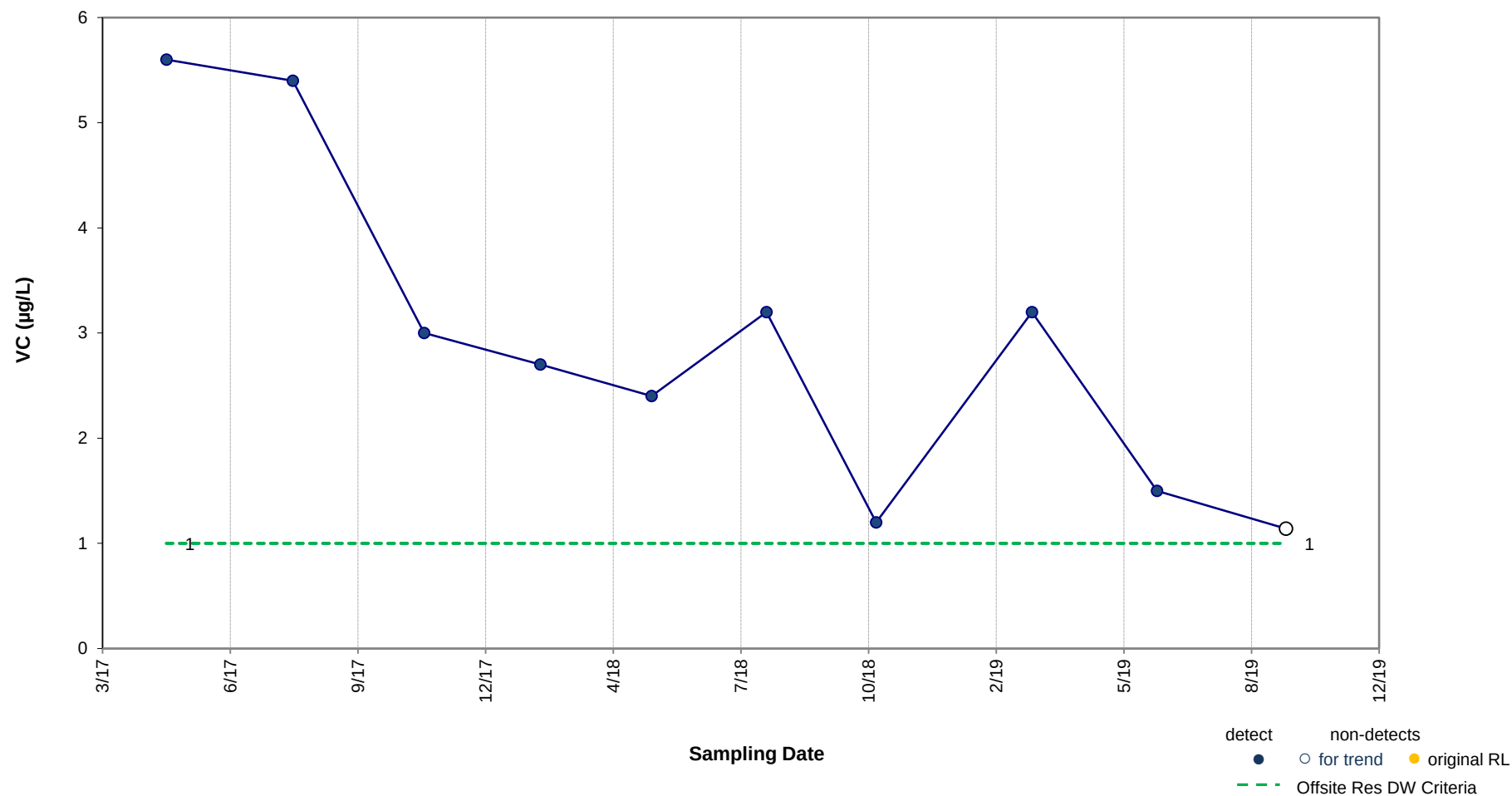
p value = 0.005

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-65
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 25



Results of Mann-Kendall Test for Trend:

DECREASING TREND

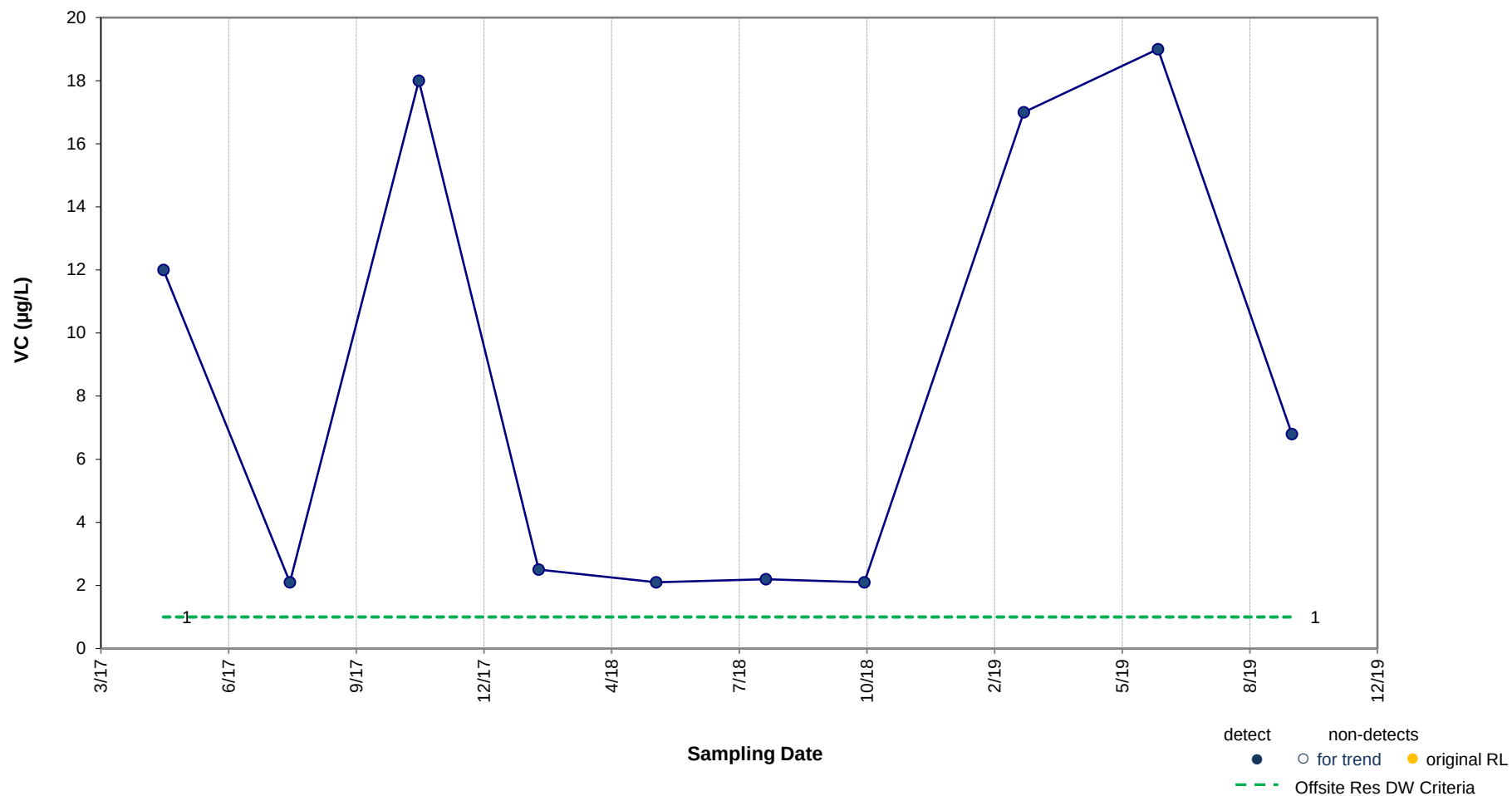
p value = 0.007

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-66
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 26



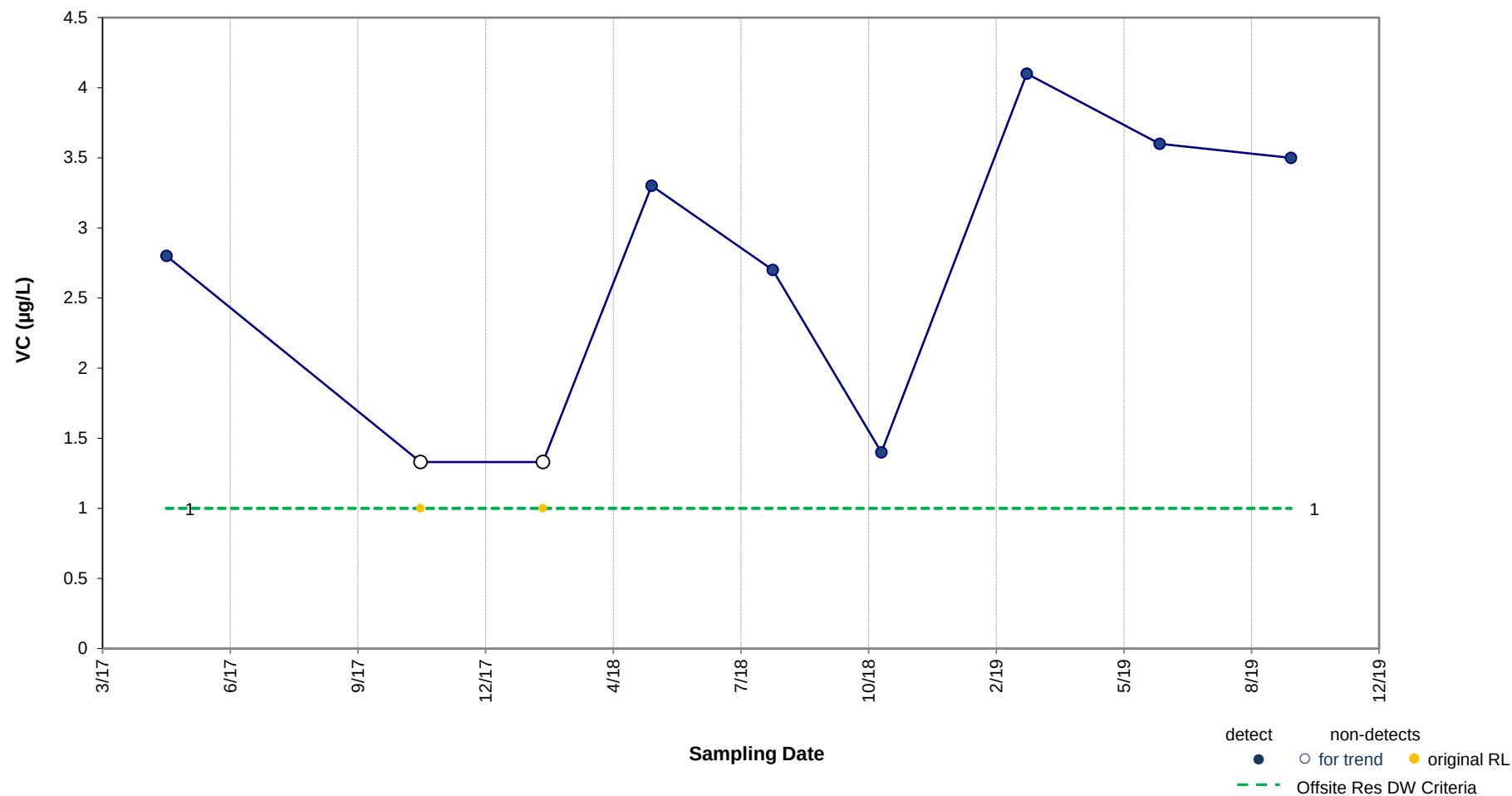
Results of Mann-Kendall Test for Trend:

No Significant Trend

p value =

0.332

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Results of Mann-Kendall Test for Trend:

INCREASING TREND

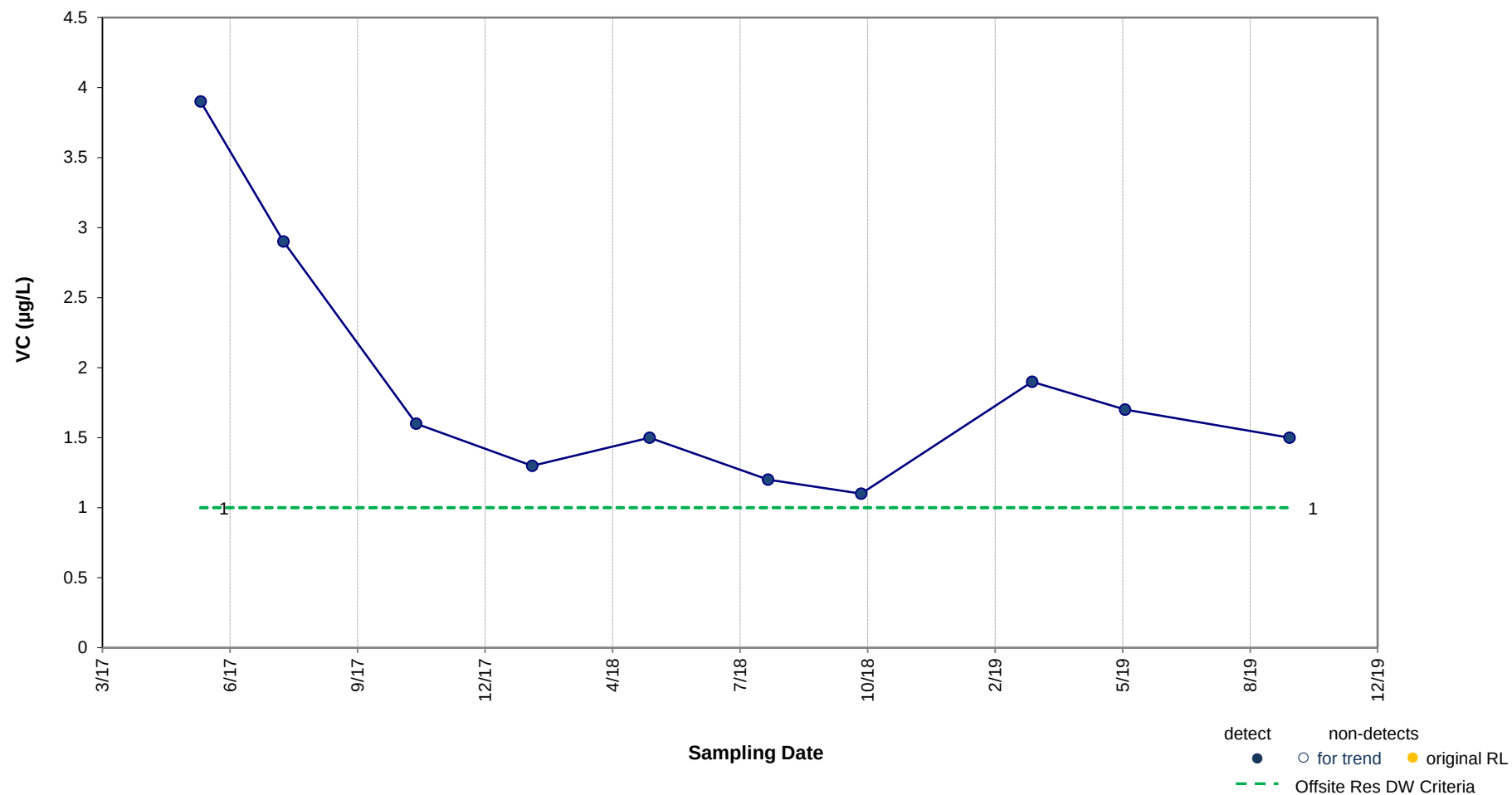
p value = 0.075

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-69
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 28

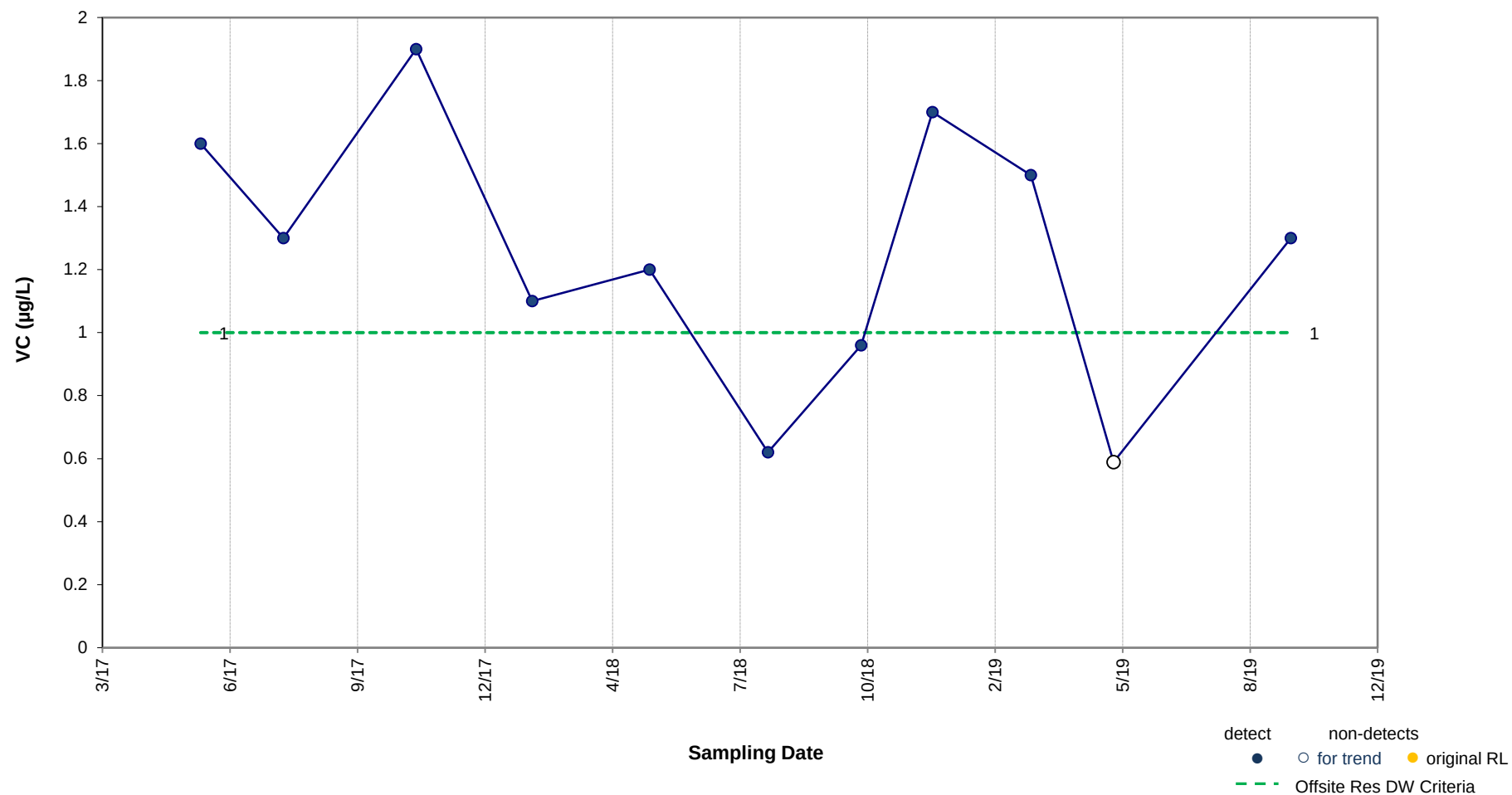


Results of Mann-Kendall Test for Trend:

DECREASING TREND

p value = 0.093

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Results of Mann-Kendall Test for Trend:

No Significant Trend

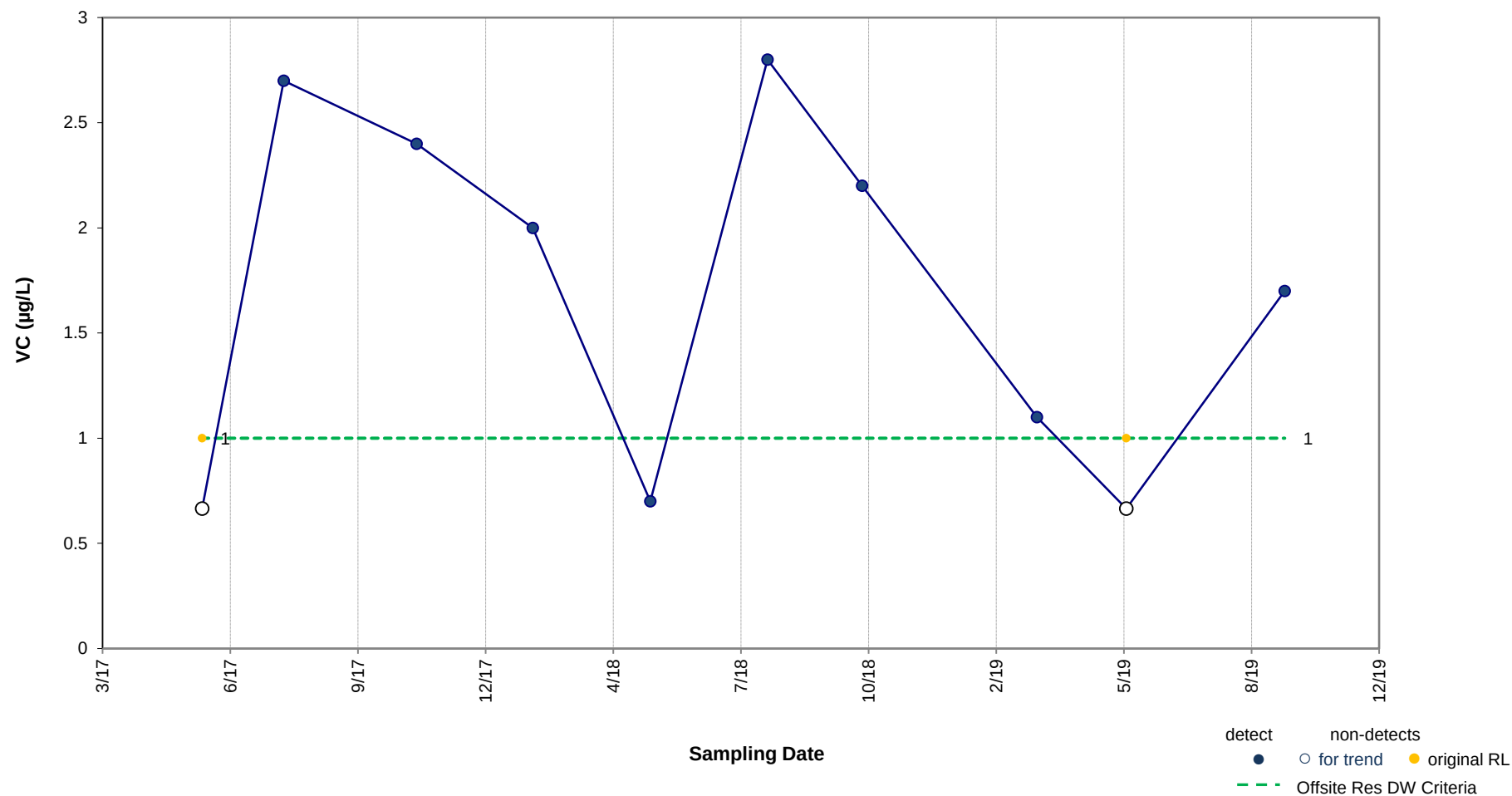
p value = 0.155

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-73S
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 30



Results of Mann-Kendall Test for Trend:

No Significant Trend

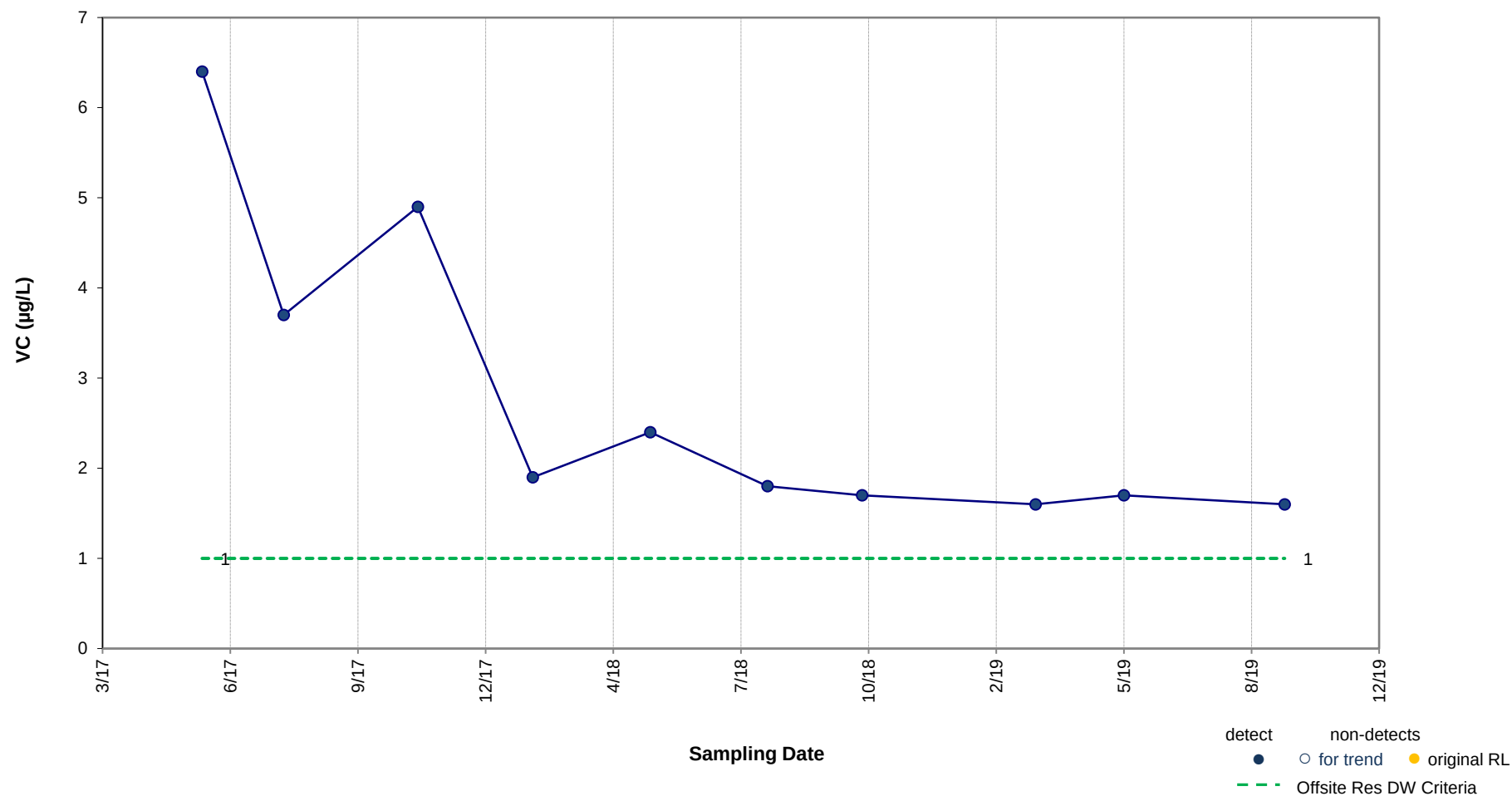
p value = 0.271

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-74
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 31



Results of Mann-Kendall Test for Trend:

DECREASING TREND

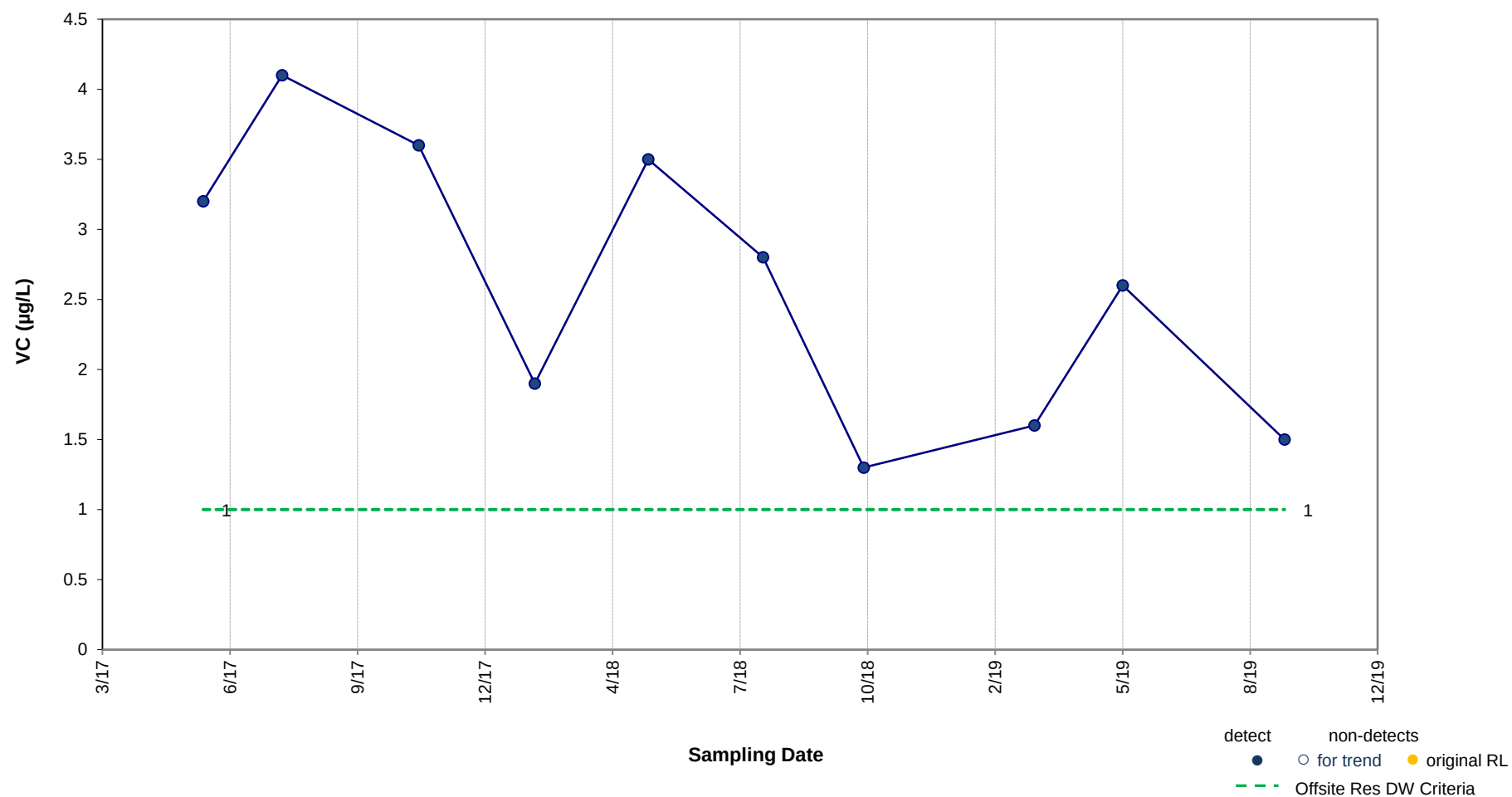
p value = <0.001

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-75D
 Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 32



Results of Mann-Kendall Test for Trend:

DECREASING TREND

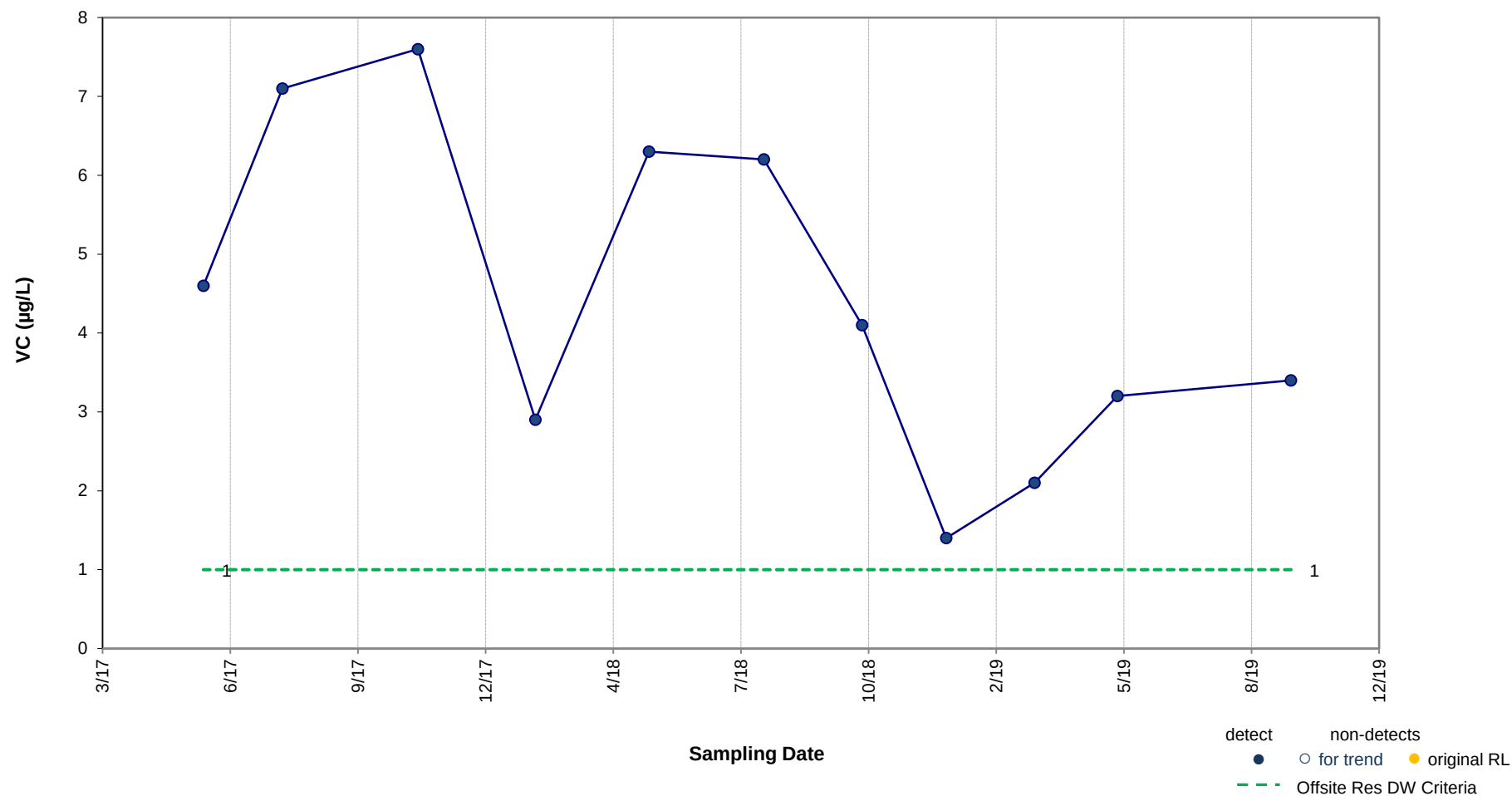
p value = 0.014

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-79D
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 33



Results of Mann-Kendall Test for Trend:

DECREASING TREND

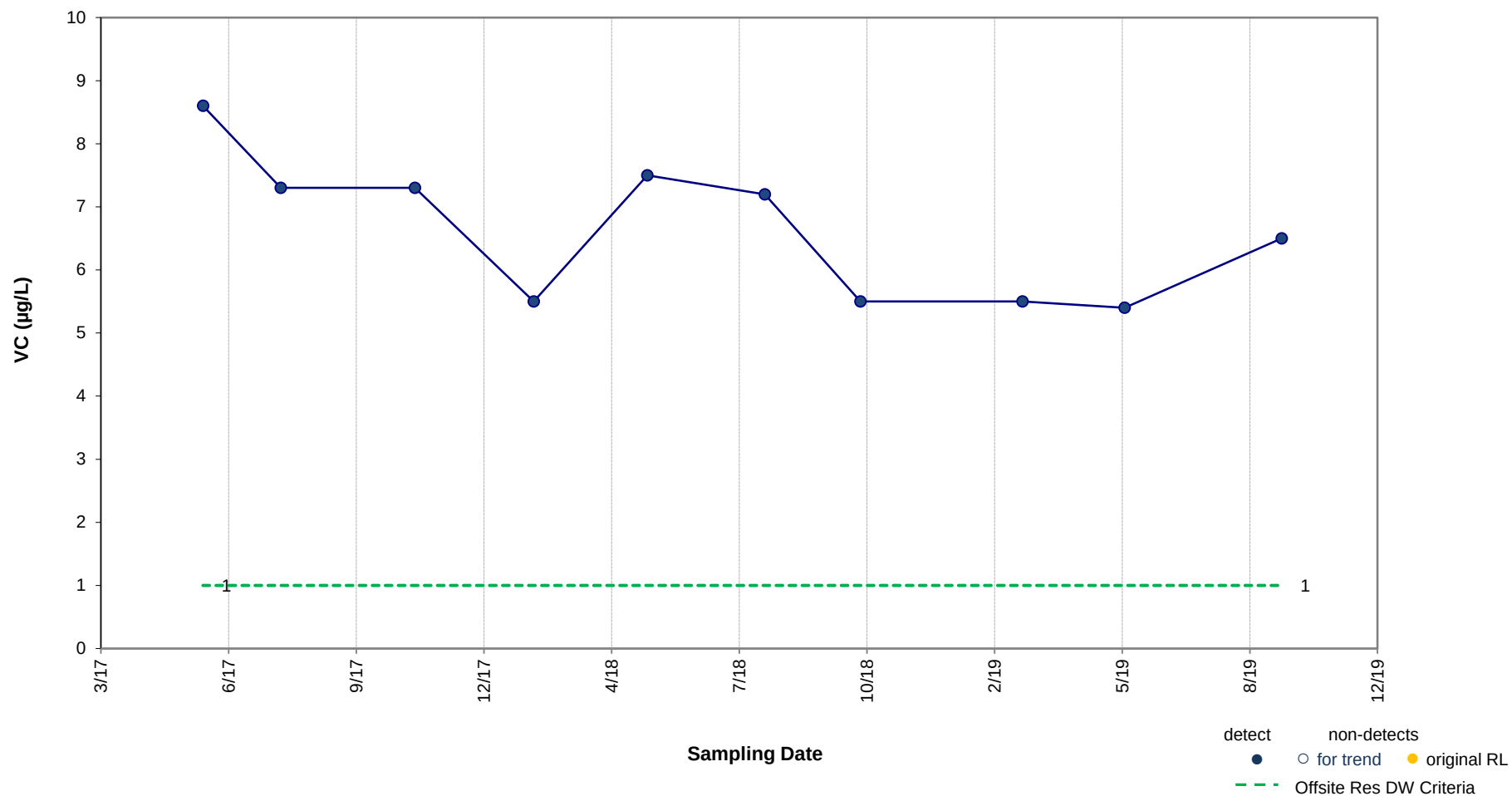
p value = 0.043

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-80S
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 34

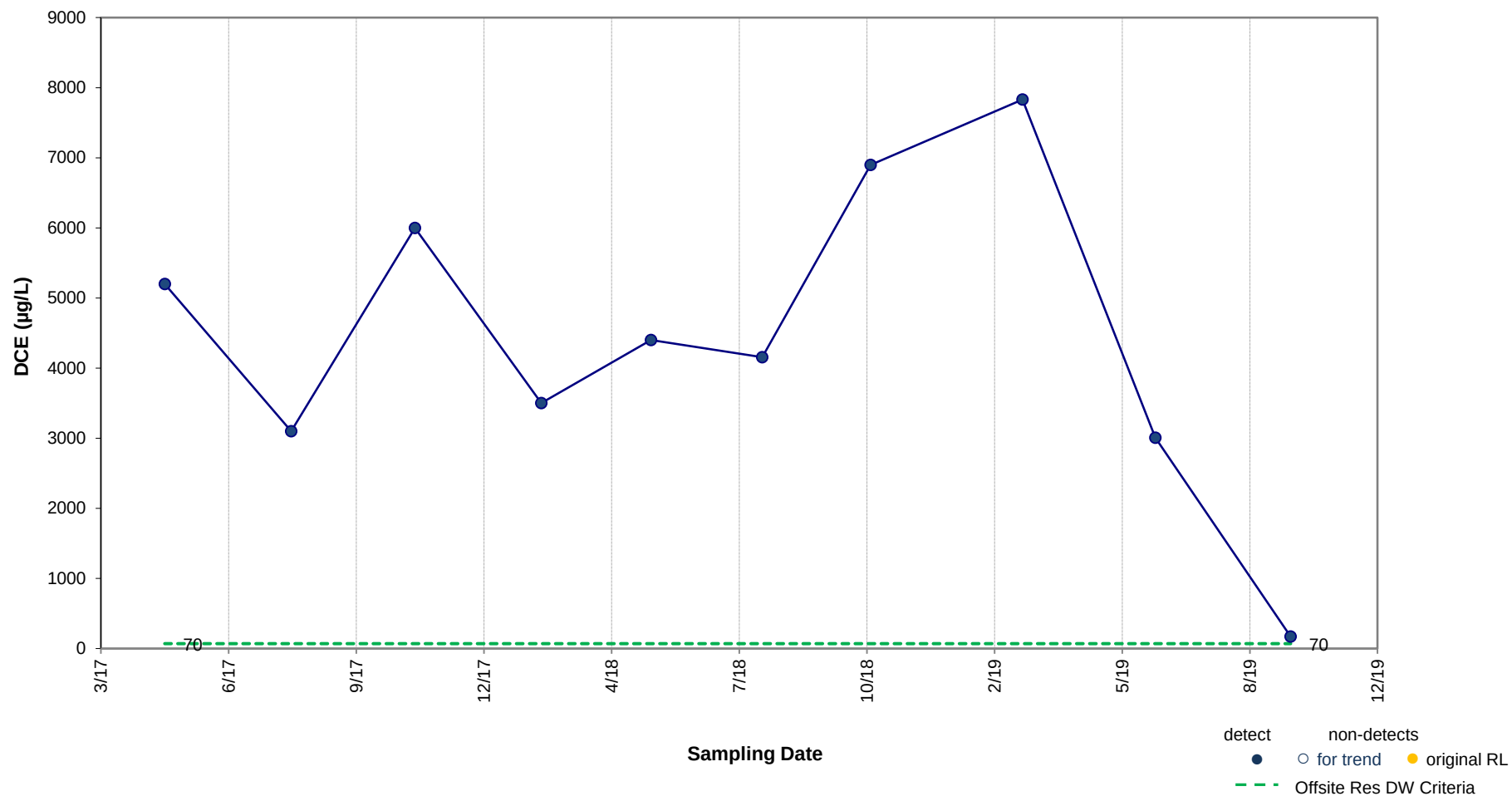


Results of Mann-Kendall Test for Trend:

DECREASING TREND

p value = 0.014

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

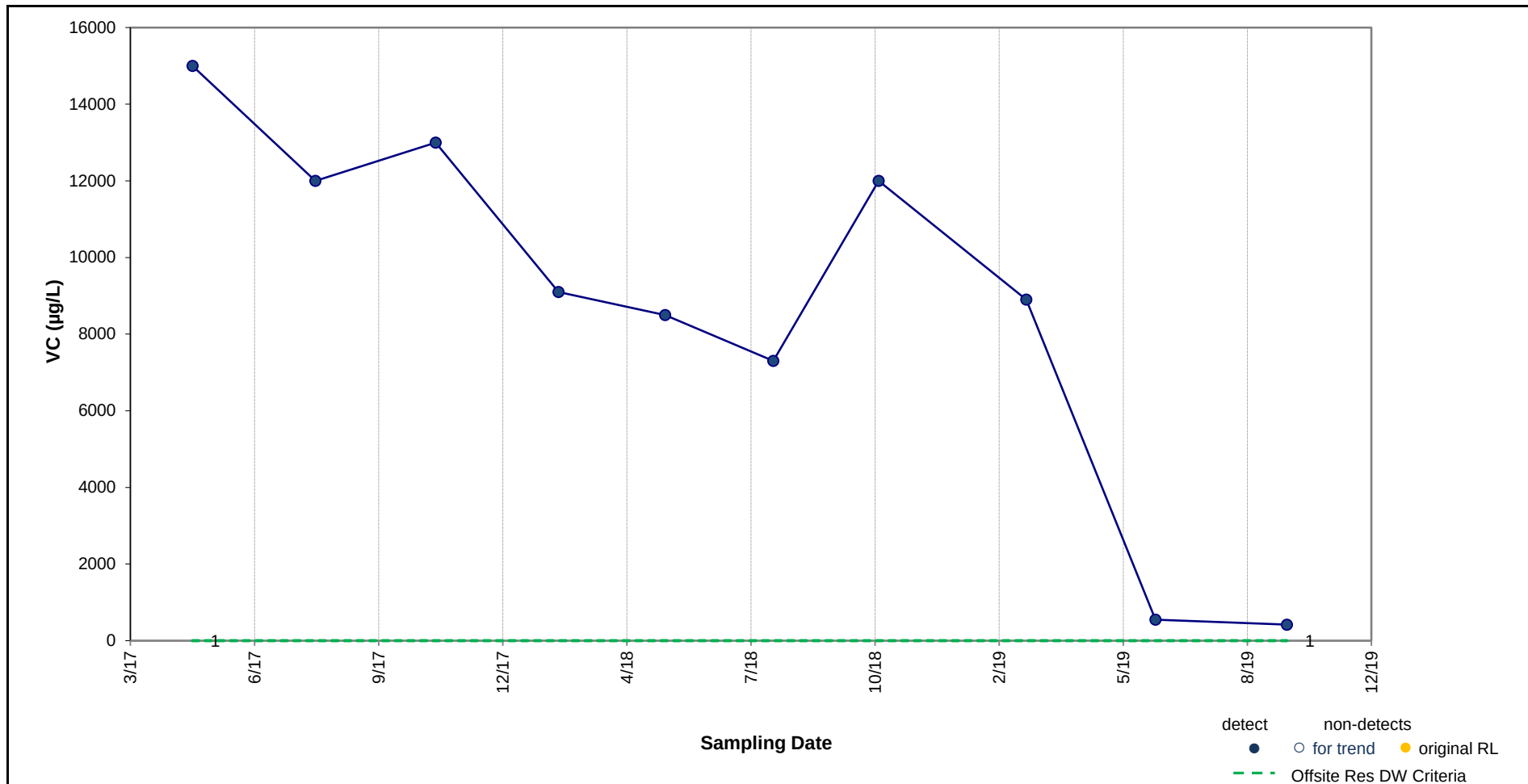


Results of Mann-Kendall Test for Trend:

No Significant Trend

p value = 0.364

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Results of Mann-Kendall Test for Trend:

DECREASING TREND

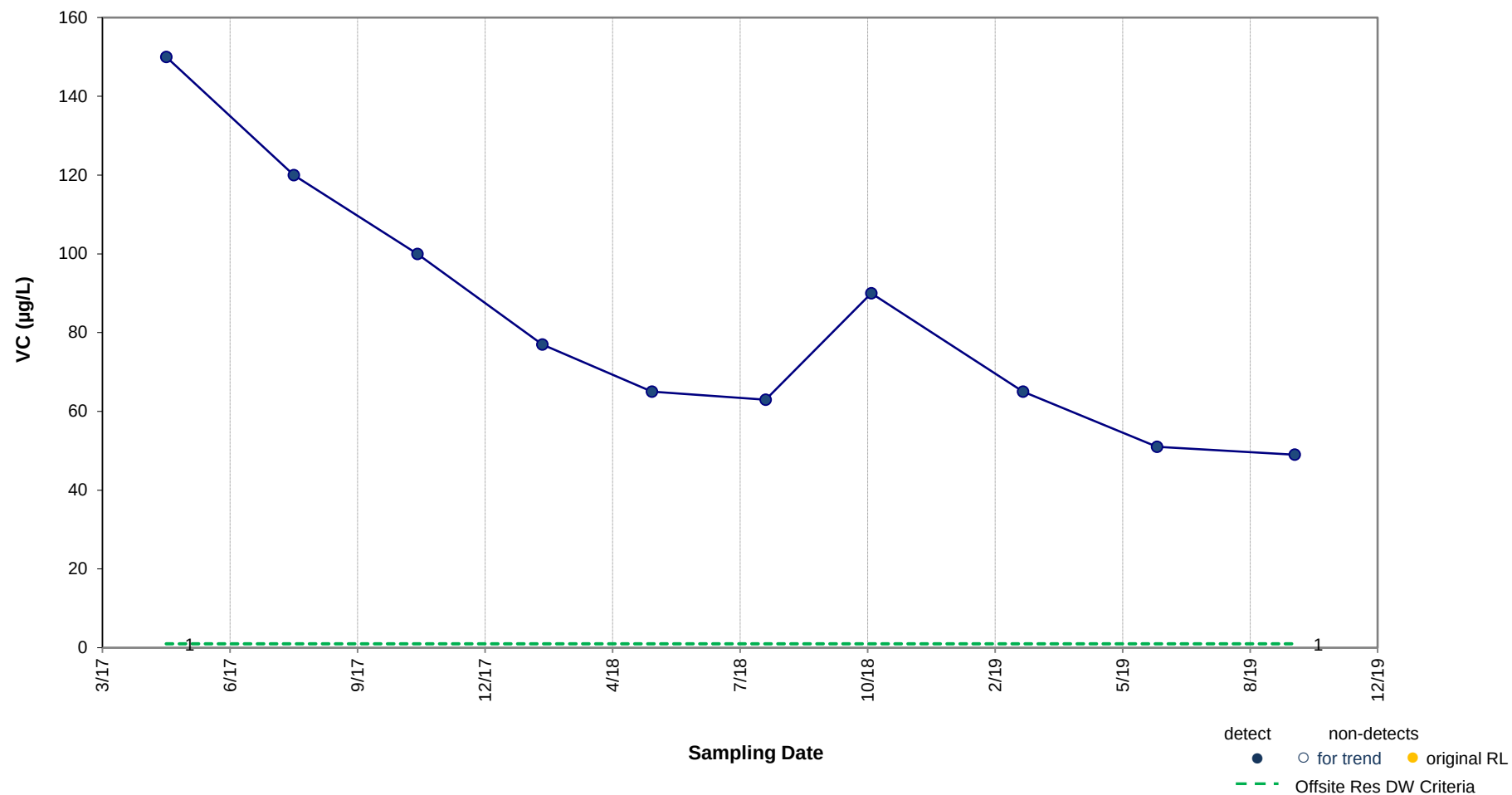
p value = 0.002

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in TW-16-02
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 37



Results of Mann-Kendall Test for Trend:

DECREASING TREND

p value =

<0.001

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in TW-16-04
 Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 38

Arcadis of Michigan, LLC

28550 Cabot Drive

Suite 500

Novi, Michigan 48377

Tel 248 994 2240

Fax 248 994 2241

www.arcadis.com

A decorative graphic consisting of three thin orange lines. One line is horizontal, extending from the left edge of the page towards the right. Two other lines are diagonal, starting from the bottom left and extending towards the top right, intersecting the horizontal line.